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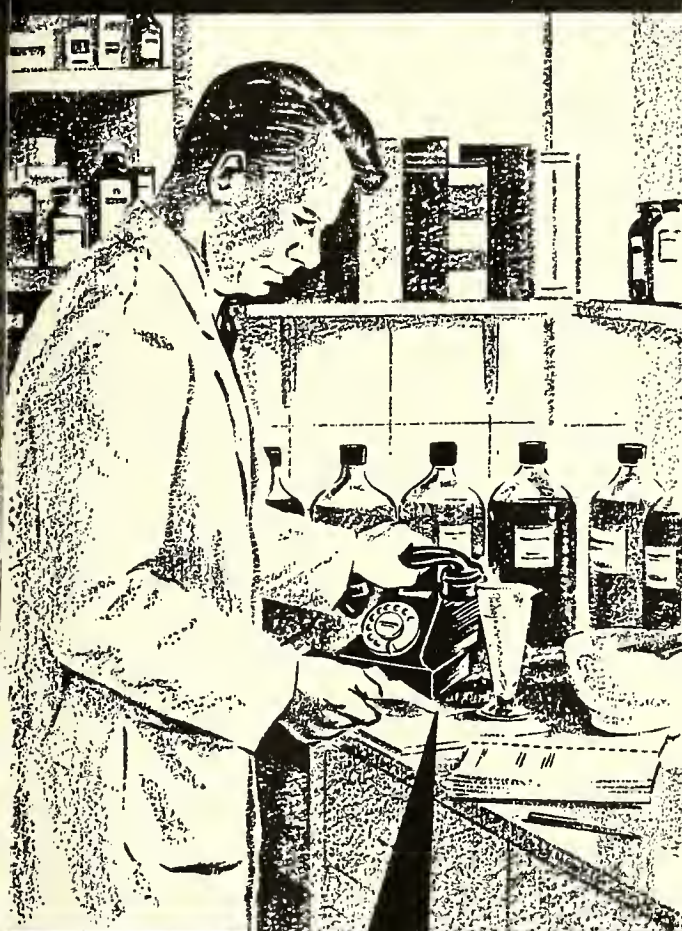


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THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and
all sections of the drug, pharmaceutical and
fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland*

Volume 175

June 10, 1961

No. 4243

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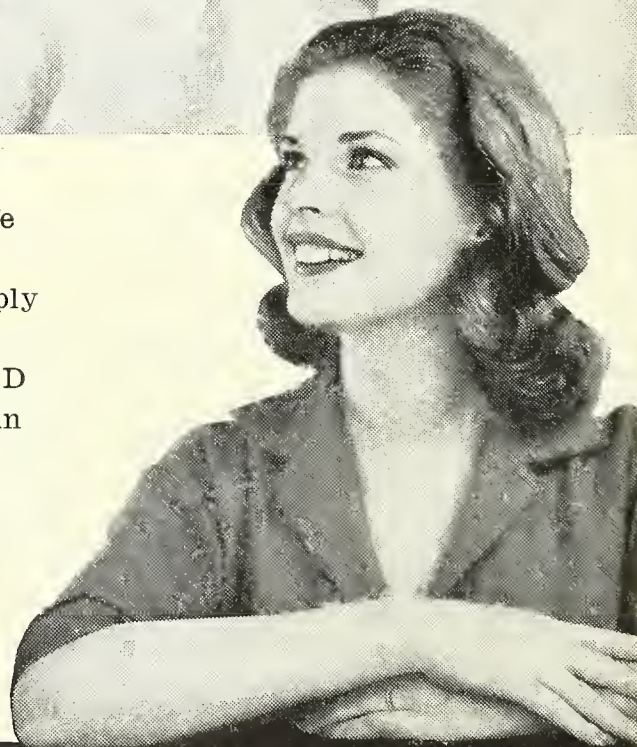
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The CHEMIST AND DRUGGIST

Volume 175

JUNE 10, 1961

No. 4243

Contractors Demand 2s. Fee

PHARMACEUTICAL COMMITTEES UNANIMOUS

A DISPENSING fee of 2s. per prescription was, on June 7, unanimously demanded by representatives of Pharmaceutical Committees, representing all chemists in England and Wales under contract for National Health Service dispensing. Other demands were for "urgent" fees of 10s. 6d. for dispensing after 11 p.m., 3s. 6d. between closing time and 11 p.m.; for rota payments of 15s. per hour on full weekdays and 30s. per hour on the evening of the early closing day and on Sundays and Bank holidays; for abolition of half-hour rota in one-chemist and two-chemist areas; and for an increase to 2½d. in the container allowance.

The demands were embodied in resolutions put forward at the national conference in London of representatives of Pharmaceutical Committees, the wording of which was as follows:—

1. THAT this Conference of representatives of Pharmaceutical Committees in England and Wales instructs the Central N.H.S. (Chemists Contractors) Committee to lodge claims without delay with the Ministry of Health for an increase in the dispensing fee to 2s., for an increase in the container allowance to 2½d. per prescription, for increases in the "urgent" fee to 10s. 6d. where the prescription is dispensed after 11 p.m. and to 3s. 6d. after the normal or rota closing hour on weekday or where the pharmacy is not open on Sundays or Public Holidays but before 11 p.m., and increases in the rota payments to 15s. for one hour on weekdays other than the early closing day and £1 10s. for one hour on the evening of the early closing day, or on Sundays or public holidays.
2. THAT the half-hour rota in "one" and "two" chemist areas should be abolished and replaced by a one-hour rota paid for in full in accordance with the Committee's claim.

The conference also voted to increase by one-half during the coming year the payments by Pharmaceutical Committees to the Central N.H.S. Committee, the increase to go towards the cost of a public-relations campaign; and to circulate details of the claim to all chemist contractors in England and Wales, to the Pharmaceutical Standing Committee (Scotland) and to the Ulster Chemists' Association.

A report of the proceedings of the conference is being sent to all Pharmaceutical Committees as soon as possible with a recommendation to call meetings of chemist contractors and other pharmacists engaged in the National Health Service to formulate motions to guide the Central N.H.S. Committee.

The lively discussions showed renewed confidence in the Central N.H.S. Committee and its chairman. They will be summarised next week.

Research Scholarship

A FRANCO-BRITISH AWARD

APPLICATIONS are invited from pharmaceutical chemists or graduates in pharmacy of British nationality for a scholarship offered by the Franco-British Pharmaceutical Commission and tenable in the Faculty of Pharmacy of the University of Bordeaux, France, for research in the uses of radio-isotopes in biology. The scholarship, annual value £500, will be of one year's duration with the possibility of extension to two years and will commence at the end of September 1961. Application forms (returnable by July 17, 1961), may be obtained from the Franco-British Pharmaceutical Commission, 17 Bloomsbury Square, London, W.C.1, or from the head of local schools of pharmacy. In selecting the scholar the Commission will have regard not only to the academic record but also to the ability of the applicant to represent British pharmacy in the

University in which he will work, and in awarding the scholarship it is the hope of the Commission that the scholar will engage in work that may lead to a doctorate.

The Commission also state that, while some knowledge of the language is important, the lack of conversational French need be no bar to selection. If necessary, cost of fare to London will be reimbursed.

Pharmaceutical Society

NEW PRESIDENT AND VICE-PRESIDENT

UNANIMOUSLY elected president of the Pharmaceutical Society of Great Britain, Mr. H. S. Grainger was invested with the chain of office by the retiring president (Mr. T. Reid) at the meeting of Council on June 7. The new vice-president is Miss Mary Burr, the



Mr. H. S. Grainger



Miss M. Burr

only lady member of Council. Mr. Grainger is chief pharmacist at Westminster Hospital, London, and Miss Burr is in retail business in Nottingham.



AT HOUNSLOW FROM SUNDERLAND: A group photographed during the visit recently to the Hounsflow Laboratories of Parke, Davis & Co. of a party of pharmacy students from Sunderland Technical College. The photograph shows the students in one of the physical chemistry research laboratories, watching while a member of the research staff explains the functions of a spectrophotometer.

Target Achieved

£10,000 FOR GALENICAL LABORATORY

THE target of £10,000 which the pharmaceutical group of the Friends of the Hebrew University of Jerusalem set themselves five years ago to collect has been more than realised. That was announced by the president (Dr. M. Donbrow) at the Group's fifth annual dinner and ball in London on June 4. During the year, he said, Leeds Branch had contributed £250 and Manchester £350, and he commended their efforts. Dr. Donbrow said he was often asked when the school of pharmacy at the university—for which the Group would,



Dr. Max Donbrow (chairman) addresses the pharmaceutical group, Friends of the Hebrew University of Jerusalem. At his right and left are Professor Norman Bentwich and Lady Karminski.

with the money raised, be providing a galenical laboratory—would be ready. The medical school was half built, and the question whether the pharmacy school should be given any priority was a difficult one to answer. One point in its favour was that it would be contributing not alone to academic education but also to technology, since pharmacists were urgently needed in Israel's industry. Professor Norman Bentwich, one of the guests of honour at the function, said he brought with him a message of deep recognition of what the Group had done from Professor Guilio Racah (professor of theoretical physics at the Hebrew University of Jerusalem). It would be more than a year yet, said Professor Bentwich, before the school of pharmacy would be built, but two signs of progress at the University were that the organic chemistry building was recently completed (a gift of Mr. A. Alberman, M.P.S.) and that on June 6 all the patients, staff and equipment from six Jerusalem hospitals would be moved into the newly completed University hospital.

NATIONAL AND LOCAL: At first meeting of Louth Pharmacists' Association recently were Messrs. A. C. Hennessy (president, Irish Drug Association), and E. D. Leavy (Louth vice-chairman), Miss E. Burke, Drogheda (secretary), Messrs. P. E. Larkin (chairman) and G. C. O'Neill (vice-president, Pharmaceutical Society of Ireland).



Trade 'Center' in London

TO PROMOTE U.S. EXPORTS IN U.K.

A TRADE center (spelled that way) at which American goods will be introduced to trade buyers in Britain and Europe is being opened at St. James's Street, London, S.W.1, on June 26. The intention is to put on a series of limited-period shows, each of goods within a given category. The first is of "housewares," including bath scales, electric massagers, hair clippers, an all-purpose stain remover and an acrylic coating for permanently preserving and protecting metal, wood, paper and leather surfaces. The center is strictly for business. Explaining the venture to the Press on May 2, Mr. N. Knowles (commercial attaché) said that the center is not a "prestige show." The public is not ordinarily being admitted, though an occasional display open to non-buyers may be put on. Something like \$750,000 is being spent annually by the U.S. Government and by American manufacturers on the displays, and the United States Secretary for Labour is coming over specially for the opening; that indicates the strength of the promoters' desire to increase American exports to Europe.

Drugs in Hospital Wards

UNIFORM RECORDS SUGGESTED

WITH notice H.M. (61) 50 Regional Hospital Boards, Hospital Management Committees and Boards of Governors in the Health Service have received from the Ministry of Health copies of a standard Ward Dangerous Drugs Order Book, and a Ward Dangerous Drugs Record Book (H.M. Stationery Office, prices 3s. 5d. and 4s. 2d. each respectively). The Minister hopes that all hospitals will now adopt the books, which have been prepared on the recommendation of the Joint Subcommittee on the Control of Dangerous Drugs and Poisons in Hospitals. The subcommittee suggested that a uniform system should be followed for ordering Dangerous Drugs and for accounting for their use.

Cephalosporin C

HEARING OF PATENT DISPUTE

THE Comptroller-General of Patents is to arbitrate, on June 28, in a dispute concerning the cephalosporin C patents assigned to the National Research Development Corporation. The hearing, which involves Sir Howard Florey and other scientists, is being brought to decide upon the allocation of the financial rewards for the inventors.

IRISH BREVITIES

THE REPUBLIC

WITHOUT further discussion, the Republic of Ireland Poisons Bill passed its Report and Final stages in the Senate on May 17, and has been forwarded to the President (Mr. de Valera) for signature, after which it becomes law.

THE annual Holy Communion of the pharmacy branch of St. Joseph's Young Priests' Society is taking place at a special Mass in Dominick Street chapel, Dorset Street, Dublin, at 8.30 a.m., on Sunday, June 18.

NEWS IN BRIEF

PHARMACY sales of the Liverpool Co-operative Society, Ltd., for the half-year ended March 4 were £34,831.

THE Ministry of Health are to provide doctors in the Health Service with lists of preparations classified by the Joint Standing Committee in categories N and P.

A FETE is to be held on behalf of the Royal Commercial Travellers' Schools in the school's grounds at Hatch End, Middlesex, on June 17.

THE College of General Practitioners announced on June 6 the establishment of a research foundation, with an initial income of £100,000, to assist and promote research by general practitioners in Britain and the Commonwealth.

AT the annual meeting of the British Seamless Rubber and Plastics Manufacturers' Association, recently, Mr. S. D. Sutton (Veedip, Ltd.) was re-elected *Chairman*; and Mr. A. R. Reid, (London Rubber Co., Ltd.) *Vice-chairman*.

A RADIO-LINK discussion—believed the first of its kind—on the problems of tuberculosis was held recently between two panels of doctors in London and Bombay. Sponsors were Smith Kline & French (India), Ltd., a subsidiary of the British company.

AT the annual general meeting of The Institute of Packaging recently, Lord Cornwallis was installed as president. Mr. A. F. Much (packaging advisor, Imperial Chemical Industries, Ltd.), was elected national chairman for the coming year.

To be burgled fourteen times in nine years has been the experience of Clark & Howes, chemists, Forton Road, Gosport, Hants. On the last occasion an upstairs window was forced, but only coppers from the till and some collection boxes were stolen.

NEWLY elected officers of the National Association of Women Pharmacists are:—*President*, Mrs. R. Quintrell; *Vice-president*, Mrs. D. Skilling; *Treasurer*, Miss O. W. Scarlett; *Registrar*, Mrs. M. E. Wood; *Secretary*, Mrs. E. N. J. Jones, 6 Ravenswood Avenue, Rock Ferry, Ches.

THE National Assistance Board has produced a leaflet (A.L.19) which sets out the considerations that the Board takes into account in deciding whether a person is entitled to a refund of, or assistance with, charges under the National Health Service. Copies have been sent to chemist contractors.

At the annual meeting of British Chemical Plant Manufacturers Association, on April 20, Mr. Norman C. Fraser (retiring *Chairman*) was re-elected for a further year. A ballot to fill ten vacancies on the council resulted in the election of Messrs. C. Colley, P. D. Doulton, E. S. Franklin, A. E. Matthews, R. Middleton, R. C. Odams, B. N. Reavell, R. W. Rutherford, P. W. Seligman, and Dr. R. Lessing, C.B.E. Messrs. Doulton, Rutherford and Seligman were elected *Vice-chairmen* and Mr. H. W. Fender, *Treasurer*.

LOCAL OFFICERS

PHARMACEUTICAL ASSOCIATION

South-west London. — *President*, E. N. Browne; *Vice-presidents*, D. J. Williams and W. E. Wragg; *Secretary*, B. P. Croft, 204 Merton Road, London, S.W.18.

PHARMACEUTICAL SOCIETY

Croydon Branch. — *Chairman*, D. Williams; *Treasurer*, W. A. Billings; *Vice-chairman and Secretary*, Major E. Titterington, 76 Warminster Road, London, S.E.25. Tel.: LIV 7723.

West Kent Branch. — *Chairman*, L. S. Short; *Vice-chairman*, Mrs. I. M. Z. Elliott; *Treasurer*, A. W. Tutton; *Assistant secretary*, B. Mendelson; *Secretary*, W. E. Walton, 184 High Street, Penge, London, S.E.20.

Northern Scottish Branch. — *Chairman*, J. Conn; *Vice-chairman*, D. H. MacLeary; *Treasurer and Secretary*, J. Macpherson, 14 High Street, Ardersier, Inverness-shire.

ASSOCIATION AND BRANCH

West Middlesex. — *Chairman*, B. S. Fellows; *Vice-chairman*, T. Marns; *Treasurer*, J. I. Catta-way; *Secretary*, T. Marns, 23 Delamere Road, London, W.5.

NATIONAL PHARMACEUTICAL UNION

Liverpool Branch. — *Chairman*, J. Farrer Barnes; *Vice-chairman*, J. P. Murphy; *Secretary*, J. C. Leigh, 241 Walton Village, Liverpool, 4.

SPORT

Golf. — LONDON CHEMISTS' GOLFING SOCIETY, at Verulam Golf Club on May 28. *Medal Competition*, *Winners*: Yardley Cup and Prize, J. S. Bremner; *Kerfoot Trophy and Prize*, R. M. Pierce-Williams.

LIVERPOOL CHEMISTS' GOLFING SOCIETY, at Southport and Aintree Golf Club on May 17. *Results*: *Allenburys cup and prize*, G. N. Quayle, 93 (13), 80; *L.C.G.S. prize*, S. G. Bourns, 91 (11), 80; N. J. Callaghan 88 (8), 80.

MANCHESTER AND DISTRICT PHARMACEUTICAL GOLFING SOCIETY, at Reddish Vale Golf Club, on May 24. *Results*: *Ucal Trophy*, 1, A. Priestly, 66; 2, Dr. A. Whitewright, 66.

Derby Sweepstake. — MANCHESTER PHARMACEUTICAL BENEVOLENT FUND COMMITTEE, *Prize winning tickets*: 1, 679; 2, 7016; 3, 3867. *Runners prizes*: 714, 750, 922, 1383, 1588, 2220, 2223, 2237, 2494, 2535, 3639, 3713, 3717, 3839, 4610, 5097, 5159, 5234, 5601, 5906, 6469, 6577, 6600, 8022, 8891.

Bowls. — ULSTER CHEMISTS' BOWLING ASSOCIATION. The twelfth Annual Bowling Tournament was played on May 31, at the Belmont Bowling Club, this year for a new trophy—*The Jack Caldwell Rose Bowl*, which was won by Mr. A. Gracey, Mr. S. Simpson in the Representatives' section won the *Ulster Chemists' Cup*. Other prizes were as follows: *Chemists' Section*, J. D. Morrison; C. Ritchie; F. Morrison; J. A. McRoberts; W. J. Moffett (Consolation); *Representatives' Section*, W. W. Dinnen, J. Boden, W. Cairns, A. E. Atkinson, R. Wilson (Consolation). The prizes were presented by Mrs. A. Steen (wife of this year's Captain). Mr. A. Steen extended a welcome to the guests, amongst whom were Mr. W. J. Moffett (president of the Ulster Chemists' Association); Mr. R. M. Watson (Treasurer of the Pharmaceutical Society of Northern Ireland); Mr. W. J. Rankin and Mr. H. McRoberts. As a result of the Tournament the Northern Ireland Chemists' Benevolent Fund will benefit to the amount of £22 10s.

TOPICAL REFLECTIONS

By Xrayser

A firm demand

The letter to the Ministry of Health, stating clearly and firmly the attitude of the Central N.H.S. and N.P.U. Executive Committees in regard to the implications of the Minister's "expectations" concerning the 2s. levy, will have done much to assuage the feeling of frustration that has spread through pharmacy since Mr. Powell indulged in his now notorious flights of fancy in the House of Commons. Action was called for, and the tone of the letter (p. 572) suggests that the Ministry is dealing with a body that has been tried to the uttermost limits of its patience—which it has. The reply from the Minister of Health to the Pharmaceutical Society's letter on the professional aspect of the 2s. charge (read by the president to the meeting of Branch Representatives in London on May 18) indicated that, while the Minister was grateful to the Society for its views, he could not accept them. That is a challenge which must be taken up with alacrity, and in the same unequivocal manner as has been shown by the N.P.U. In your editorial comment you say that the Society should publicly support the action of the contractors' spokesmen, and that if such action were not taken in present circumstances it would be inexcusable. I most emphatically agree, both with the step you urge and with the opinion expressed that the situation is basically one of professional ethics. It cannot, surely, be the intention of the Council to close the matter with the reading of the reply from the Minister. The relations of the Ministry of Health and pharmacy are strained at the present time, and it is essential that there should be good relationships within the profession itself. The Council never had a better opportunity to enhance its prestige and to reassert its leadership.

Spring cleaning

The publication on p. 571 of the recommended deletions from and additions to the next edition of the British Pharmacopœia offers an explanation, in part at least, of the decision of the Codex Committee to discard some old favourites from their forthcoming new volume. It is necessary to find accommodation for the dispossessed from the B.P., and preparations are being made accordingly. And now we are being called upon to witness the departure of some galenicals that have seemed to have complete security of tenure, some of them quite inoffensive and, one would have thought, desirable tenants. It may be doubted if any of the newcomers is quite so innocent as dill water, whose administration to infants in all probability saved their mothers the necessity of resorting to something much more potent. (It may also be remarked in passing that each succeeding edition loses the poetry of its predecessor. One savours *Anethum graveolens*, but digestion of dibromopropamide isethionate requires dill water.) It will be noticed, also, that cinnamon oil is going, and the spice and aroma of Ceylon go with it. And, because of the departure of compound tincture of benzoin, we take farewell of the sweet-smelling benzoin and storax. The greatest surprise to those who are to encounter their sixth or seventh pharmacopœia is to see the deletion, as they have seen the arrival, of a number of preparations that were unknown in their young days. They have had their day, and an ephemeral life it has been in comparison with the drugs mentioned earlier.

Danger of confusion

One could go on with the threnody. I have not, I find, referred to liniment of soap, that opodeldoc of Paracelsus, but space must be left for mention of the anxiety of the Pharmacopœia Commission to forestall possible metric confusion by advocating the use of the abbreviation mcg. when microgram is meant. The intention is good, but I foresee a period of further anxiety for the pharmacist in hastily written prescriptions. The threat of the metric system has been with us for some considerable time, and its advocates have always stressed that it is free from the confusions of the imperial system, where the ounce sign might be mistaken for the drachm. I wonder if I should not take steps to accompany storax, benzoin and rosemary to their new habitat.

Scottish Executive Election

THIRTEEN CANDIDATES FOR SIX VACANCIES

THIRTEEN candidates have been nominated for election to the Executive of the Scottish Department of the Pharmaceutical Society. The voting papers must be returned by June 20.

Mr. Robert Anderson, Milugavie

Qualified 1933. A proprietor pharmacist. He is immediate past chairman of the Glasgow and West of Scotland Branch and is a member of the Dunbartonshire Local Pharmaceutical Committee. Mr. Anderson is a member of the Executive Committee of the Scottish Pharmaceutical Federation and is a past president of the Glasgow Pharmacy Club.

Mr. Alexander Cowan, Bannockburn

Graduated B.Sc. Pharmacy, Glasgow University 1944, and registered as a pharmaceutical chemist in 1945. Since 1948 he has been a proprietor pharmacist. He has been a member of the Executive since 1958. Since the inauguration of the Stirling and Central Scottish Branch in 1950 he has been treasurer and has been responsible for the editing and production of the Branch *Monthly Review* for the past seven years. He is vice-chairman of the Stirling and Clackmannan Local Pharmaceutical Committee and a member of the Pharmaceutical General Council (Scotland).

Miss Edith Margaret Jenkins, Dundee

Qualified 1925 and in business for over thirty years. She has served on the Executive of the Scottish Department for nine years. She was for many years a member of the Committee and has served as vice-chairman and chairman of the Dundee and Eastern Scottish Branch of the Society.

Mr. Alfred Wilford Keith, St. Andrews

Qualified 1923. He was assistant with the late Mr. J. J. Kirk, St. Andrews, and took over his business in 1933. He has been a member of the Executive of the Scottish Department for the last nine years, a member of the Fife Local Pharmaceutical Committee since 1950, and a member of the Executive Council of the Scottish Pharmaceutical Federation since 1951. He is chairman of the recently formed Fife Branch of the Pharmaceutical Society and a member of the Scottish History of Pharmacy Committee.

Mr. James Smith Ley, Renfrew

Qualified 1931. Following a period with Glasgow Public Health Department, was appointed chief pharmacist of Southern General Hospital, Glasgow, in 1946. He has, it is understood, been closely associated throughout with retail pharmacy and is a member of the Glasgow Pharmaceutical Committee. He is a past chairman and secretary of the Glasgow and West of Scotland Branch of the Guild of Public Pharmacists and a member of the Scottish Pharmaceutical Standing Advisory Committee. He holds the University of Glasgow diploma in Public Administration.

Mr. Alexander McKellar, Cowdenbeath

Qualified 1928. A proprietor pharmacist. Was drug superintendent for Clydebank and Dunfermline Co-operative Societies for eleven years and two-and-a-half years respectively and during that time was secretary of Superintendent Chemists' section of N.U.C.O. Previous to 1941 he was a director of the Chemists' Friendly Society. He is a member of Fife Pharmaceutical Committee and has been a representative to Fife Executive Council for ten years. He is also a member of the Council of the Scottish Association of Opticians and is a magistrate for the Burgh of Cowdenbeath.

Mr. William C. Macmaster, Glasgow

Qualified 1923. Proprietor pharmacist. Committee member of the Glasgow and West of Scotland Branch, and was secretary for seven years. He is also a member of the Glasgow Pharmaceutical Committee and of the Pharmaceutical General Council (Scotland) and is treasurer and past-president of the Glasgow Pharmacy Club.

Mr. John Macpherson, Ardersier

Qualified 1932 from the Royal Dispensary School of Pharmacy, Edinburgh. Secretary and treasurer of the Northern Scottish Branch and a past chairman of the Inverness and District Pharmacists' Association, and he is a member of the Inverness Pharmaceutical Committee. He served in the R.A.M.C. during the 1939-45 war. He is a justice of the peace for the County of Inverness.

Miss Elizabeth A. Meikle, Alexandria

Educated at the University of Nottingham and served her apprenticeship at Kingston General Hospital. Qualified in 1950 and graduated B.Pharm. (External London) in 1951. Miss Meikle gained experience in the Southern General Hospital and Eye Infirmary, Glasgow, and is chief pharmacist at the Vale of Leven Hospital, Alexandria, where she is responsible for all the pharmaceutical supplies to the eleven hospitals under the Board of Management for Dunbartonshire Hospitals. From 1957-1960 she was chairman of the Glasgow and South West of Scotland Branch of the Guild of Public Pharmacists and is at present on the Committee. She was from 1960-61 a member of the committee of the Glasgow and West of Scotland Branch of the Society and is a member of the Dunbartonshire Local Pharmaceutical Committee.

Mr. James Morrison, Glasgow

Qualified 1930. Had fourteen years' experience in retail pharmacy, and, after a short time in wholesale pharmacy, entered hospital pharmacy. Is now Chief Pharmacist at Ruchill Hospital, Glasgow. He is secretary for Scotland and Council member of the Guild of Public Pharmacists. He is a member of the Staff Side, Whitley Council C., and a member of the committee of the Glasgow Branch of the Society.

Mr. William Alexander Park, Aberdeen

Served apprenticeship with the late William Watt, Aberdeen. He then went to Messrs. Davidson & Kay as an unqualified assistant, rejoining them after qualifying in 1922 for a further period before commencing in business on his own. When Davidson & Kay was formed into a private company, he was invited to join it, and in the course of time became managing director and superintendent. For eleven years he has been a member of the Executive of the Scottish Department, being its chairman for two years. In the Aberdeen and North-eastern Scottish Branch he served as treasurer for twenty-one years, as vice-chairman for two years and chairman for three years. He was treasurer of the local committee of the British Pharmaceutical Conference when it was held in Aberdeen in 1955. He is meanwhile president of the Aberdeen Pharmaceutical Association. He has recently served a short period as a member of Council having been co-opted in place of the late Mr. W. T. Elder.

Miss Margaret Scott Suttie, Glasgow

Qualified 1930 and later obtained the Diploma in Biochemical Analysis. After experience in retail and hospital pharmacy she joined the staff of Glasgow Public Health Department in 1937. Since 1949 she has been in charge of the pharmacy section of the Health and Welfare Department of Glasgow Corporation. Miss Suttie has been a member of the committee of the Glasgow and West of Scotland Branch since 1934 and is at present its librarian. She was one of the founder members, and a former treasurer of the local branch of the Guild of Public Pharmacists.

Mr. William S. Tait, Penicuik

Qualified 1945 from the Heriot-Watt College after serving practical training in retail pharmacy. Later he obtained the Diploma in Biochemical Analysis. He is a partner in a retail practice in Penicuik which he joined in 1949. At present he is vice-chairman of the Edinburgh and South Eastern Scottish Branch, a member of the Scottish History of Pharmacy Committee and was co-opted to the Scottish Executive in 1960.

EXPANSION PLANS

A NEW building for the National Chemical Laboratory is recommended by the annual report of the laboratory's steering committee, published on May 31. The report states that the present building at Teddington is inadequate for future needs, and that an alternative site is being sought near by. The report also looks forward to a steady expansion of the laboratory's work, and expects that its staff will increase by one-half in five to seven years, and that it will double in the next decade, largely because of the continued expansion of the country's chemical industry. Last year 264 people were employed at the laboratory.

A New Dual-purpose Block at Horsforth

LABORATORIES AND OFFICES FOR A MANUFACTURING GROUP

It has become a *cliché* that the pharmaceutical chemical and dyestuffs industries are closely intertwined. To visit, at Horsforth, nr. Leeds, Yorks, the group of buildings of Sandoz Products, Ltd. (the most recent of which—an administrative and laboratory block—was opened by Lord Swinton on June 2) would seem to provide practical proof of that connection. In the new laboratory block the work that is being done is orientated to dyestuffs, whether to the use of dyestuffs in textile manufacture or to the solution of problems encountered in the mills and dyeworks to which the dyestuffs are supplied. Those considerations, too, account for the location of the plant in the West Riding of Yorkshire—on the doorstep, so to speak, of the woollen cloth and garment manufacturing industries.

The laboratories face North, and from an architectural point of view have claims to some distinction. Though nothing is present that does not justify itself functionally, the quality of the materials used, and the discrimination that has been exercised in their arrange-

ment, have produced a result to give pleasure alike to those who will be spending their working week within the building and to visitors. Colour schemes are designed to be restful yet bright. A feature of the laboratories is their purpose-built equipment, such as apparatus to enable large numbers of patterns to be processed simultaneously.

The laboratories occupy four floors. In two large adjoining chemical laboratories technical service is provided to customers, improved application techniques are investigated, and new products examined. The dyestuffs laboratories are divided into divisions devoted to the application of dyes to (a) textiles and (b) non-textiles. In a general service laboratory are handled the day-to-day inquiries received from customers; a development laboratory is devoted to the systematic examination of new dyes and new fibres; and in an experimental dyehouse is installed semi-bulk scale dyeing machinery. There are also leather, pigment and paper laboratories.

The four-story chemical manufactur-

ing building, with fifth-floor penthouse, is laid out for the manufacture of chemicals for the textile, leather, paper and other industries. Its capacity is about 6,000 tons per year of wetting agents, penetrating agents, dye-bath assistants, emulsifiers, waterproofing agents, detergents, fat liquors for the leather trade and optical brightening agents.

At one end of a four-story warehouse for storing and dispatch of dyestuffs of all types is a mixing plant for their blending and standardisation.

Pharmaceutical Manufacture

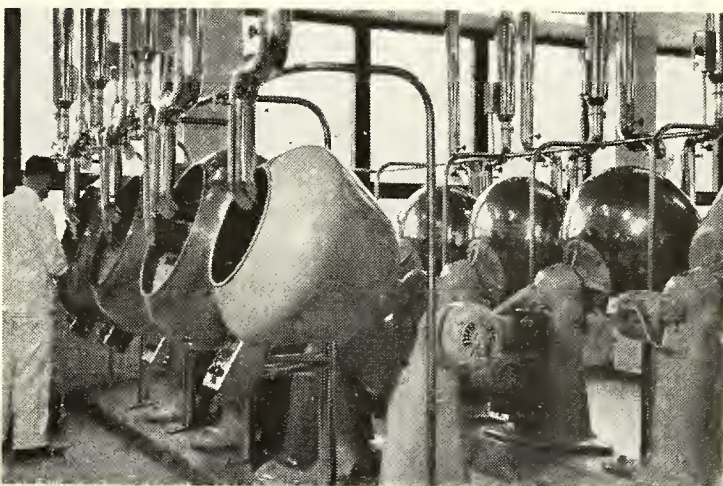
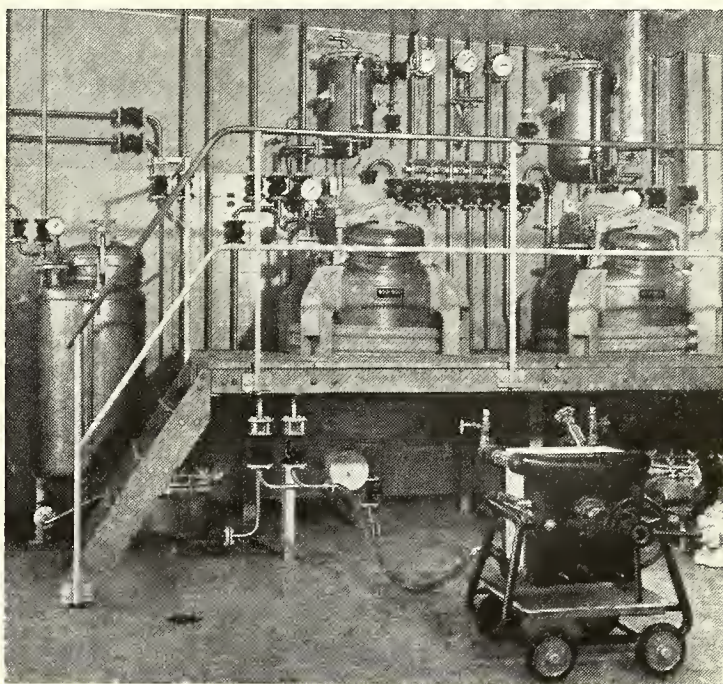
By comparison the pharmaceutical building is the most remote from the new administrative building and the smallest in the sequence of the four buildings devoted to manufacture that form a sequence along a roughly south-east to north-west axis.

The main entrance doors of the pharmaceutical building open into a hall in which are doors to locker and shower rooms. The hall also gives access to warehousing and dispatching areas and to stairs and lifts to the upper floors. In the ground-floor warehouse area are



**BUILDINGS AND EQUIPMENT
OF SANDOZ PRODUCTS, LTD.,
AT HORSFORTH, NEAR LEEDS**

Above: Exterior of the new laboratories and administrative offices and main hall giving view of manufacturing buildings. At right: Vessels for the blending of syrups and view of the tablet coating room in the pharmaceutical manufacturing building.



two loading docks each with electrically operated shutters and extractor fans near ground level to remove engine exhaust fumes. In an air conditioned storage room chemists' orders are assembled and passed into an adjoining parcelling department for posting. Also on the ground floor is the main raw materials store of the department, with lift doors opening direct into the storeroom. On a mezzanine floor are executive and staff offices and a first-aid room.



Packaging room in the pharmaceutical building.

The first floor is given over almost entirely to tablet manufacture. Selection and weighing of materials is performed under direct observation of the floor supervisor, as are the mixing and granulation operations. For drying the granules there are six forty-tray drying ovens. Sifted, after drying, into controlled sized particles, the granules are rebled in required proportions, mixed with excipients, compressed in single or rotary punch machines, and stored for analytical approval before being packed or coated. The adjacent coating plant with its six copper coating and two waxing pans uses filtered air from air-conditioning plant. The plant also extracts the hot and dusty air directly from the coating pans, enabling optimum control to be maintained over temperature. Still in process of completion is an effervescent tablet manufacturing section, with a fully automatic machine that foil wraps each tablet immediately it is discharged from the compressing machine and fills the foiled tablets into the aluminium tubes in which they are supplied.

Analytical Control

On the second floor is a development and analysis unit, comprising a general and a small optical laboratory, equipped for analytical control and for the formulation of specialities. The equipment includes substitution

balances, an automatic titration unit and a spectrophotometer.

Also on the second floor is a syrup manufacturing plant that was installed by the company's own workshop staff. A gravity-feed and compressed-air system charges the mixing vessels with ingredients from storage tanks on the floor above, takes the product through its various mixing stages, and discharges the finished syrups direct to the filling machine. The main air-conditioned reserve store for all finished products is on this floor.

The entire third floor is laid out for the packaging of tablets. Standard tubular frame tables have been used that may, according to the packaging requirements, be clamped together in groups or in long rows fitted with conveyor-belt units. Electrical floor points allow the machines to be sited where required for any particular purpose or operation.

From Natural Sources

An examination of the company's catalogue shows paradoxically that its principal pharmaceutical specialities derive, at least historically, more from natural sources than organic syntheses. That may perhaps be connected with the fact that, while the company was founded in 1886, its independent pharmaceutical department was opened

only in 1917, its research activity directed by Professor Stoll. Ergotami and other ergot alkaloids were early isolations, and investigations followed into the alkaloids of belladonna, the cardiac glycosides, a synthetic oxytocin compounds with hallucinatory effects and tranquillisers based on phenothiazine. The research work upon these and new compounds continues to be done in Switzerland, but the specialities resulting from it are to be manufactured for the British market to an increasing extent at Horsforth.

A Jubilee Event

The opening of the new block makes a fitting celebration of fifty years of activity in Britain and seventy-five of the parent company. Sandoz Products Ltd., was established (as the Sando Chemical Co., Ltd.) in 1911. An independent pharmaceutical department was set up in Bradford in 1921. In 1927 its direction was taken over by the parent company, and an office was opened in Wigmore Street, London W.1. In 1945 control returned to the English company, which established its own distribution system. In 1947 the company began the manufacture in London of some of its pharmaceutical specialities. The whole of those manufacturing activities were transferred to Horsforth in 1959.

MEDICAL HISTORY FACULTY

Second annual meeting

THE second annual meeting of the Faculty of the History of Medicine and Pharmacy of the Society of Apothecaries, held at the Society's headquarters in London on April 28, was followed by a ceremony at which the chairman (Dr. W. S. C. Copeman) awarded the Honorary Fellowship of the Faculty to Sir Arthur MacNalty and Sir Zachary Cope in recognition of their long and distinguished services to the history of medicine. Dr. Copeman described the annual report as an account of continued and remarkable progress. The first British Congress, organised by the Faculty and held in London in September 1960, had been the culmination of a period of great activity, which had awakened an upsurge of interest in the history of medicine and pharmacy throughout the country. Membership of the Faculty, after only two years' existence, already stood at 304, and no less than sixty-five universities, medical schools and post-graduate institutes had enrolled as corporate members. On the initiative of the Faculty, St. Thomas's Hospital Medical School had appointed a "Society of Apothecaries Lecturer in the History of Medicine," and the governing body of King's College Hospital Medical School had approved the establishment of a similar appointment there. The Faculty's endowed lectures had been named: the annual students' lecture would henceforth be known as "The Osler Lecture," and the autumn lecture would be named "The Sydenham Lecture," after the great English clinician of the seventeenth century; Thomas Sydenham. Dr. Kenneth Dewhurst had accepted an invitation to give the first "Sydenham lecture" on November 22, his

subject, appropriately, Thomas Sydenham himself.

After the meeting and the award of the Honorary Fellowships, Sir Geoffrey Keynes delivered the fourth Gideon de Laune lecture, his subject Timothy Bright, the Elizabethan physician whose treatise of melancholy influenced Shakespeare's "Hamlet" and who was the inventor of the earliest system of English shorthand. The lecture is being published as the introduction to Sir Geoffrey's "Bibliography of Timothy Bright," which will appear as the first of a new series of publication of the Wellcome Historical Medical Library, under the general editorship of Dr. F. N. L. Poynter. Application forms for membership of the Faculty and of the Second British Congress on the History of Medicine, to be held in London, September 28-29, may be obtained from the secretary (Dr. F. N. L. Poynter, The Wellcome Historical Medical Library, The Wellcome Building, 183 Euston Road, London, N.W.1).

Second Annual Report

Copies of the second annual report are available. The Faculty's first annual Maccabean prize and medal has been awarded to Mr. John Kenneth Wales (a final-year medical student at the University of Leeds) for his essay on "The Historical Relations between Chemistry and Medicine." The prize (a cheque for £26 5s. and an inscribed bronze medal) was presented by the chairman (Dr. W. S. C. Copeman) at the second annual students' lecture (now The Osler lecture, see above), when Dr. Charles Newman addressed an appreciative audience on "How Doctors Think."

IN PARLIAMENT

BY A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

A REQUEST by MR. D. JONES that MR. DENZIL FREETH (Parliamentary Secretary, Science) should ask the Medical Research Council in its research into the causes and treatment of bronchitis and other lung diseases, to investigate the claims of nature cure, was refused in a written answer on May 30.

Vitamin Supplements

MR. DICKSON MABON was informed by MR. JOHN MACLAY (Secretary of State, Scotland), in a written answer on May 31, that 20 per cent. of the nursing mothers in Scotland, who were entitled to do so, obtained vitamin tablets under the Government scheme. The percentages of mothers and children who obtained orange juice and cod liver oil were 31.9 and 9.8.

Agricultural Chemicals & Sprays

In a supplementary question in the House of Lords on June 1, LORD SHACKLETON asked if VISCOUNT HAILSHAM could substantiate a statement that manufacturers were "doing a great deal of research" on the effect of toxic chemicals on wild life since he understood that they were doing no ecological research on the subject. VISCOUNT HAILSHAM said he had no details of the staff or expenditure involved. In the House of Commons MR. C. SOAMES (Minister of Agriculture) the same day stated that a nation-wide survey had been carried out this spring of reported cases of unusual deaths among birds. Decisions on whether restrictions were necessary on the use of poisonous seed dressings and toxic sprays would be taken when the results of the survey, including analytical evidence, were known and had been reviewed at a meeting later this month.

Purchase Tax

SIR BARNETT JANNER asked the Chancellor of the Exchequer on June 1 how many occasions during the past five years he had altered the tax, by Order, between budgets. MR. A. BARBER (Economic Secretary, Treasury) replied: "Sixteen," thirteen of the Orders were for additions to the exempt list of essential drugs and medicines.

Cruelty to Animals Act, 1876

MR. D. VOSPER (Minister of State, Home Affairs), told MR. P. BROWNE that during 1960 inspectors made 1,506 visits to the 528 places registered under the Cruelty to Animals Act, 1876; 6,872 people held licences but of those 1,989 performed no experiments during the year.

Prescription Charges

MR. R. W. MARSH asked the Minister of Health on June 5 how many executive councils had protested about the increase in prescription charges. MR. E. POWELL (Minister of Health) replied: "Forty-eight." None had submitted any evidence of "hardship and difficulty," he therefore refused to reconsider his policy. MR. L. A. PAVITT asked the Minister if he would reconsider the prescription charge "in the light of the 20 per cent. decrease shown by the fall from 22,200,000 items in

February to 17,500,000 items in March." MR. POWELL: "No, Sir." MR. PAVITT then wanted to know if the Minister had considered evidence of dispensing chemists in the Willesden area, where a chemist had been asked several times, when there were three items on the prescription list, which one was important because the mother could not afford the other two until the end of the week? Had the Minister considered that letter? MR. POWELL: "The first part of the supplementary question appears to relate to a different matter. As regards the fall between February and March, there are a great number of factors which no doubt played a part in this and which made the figure for March in itself of very little help and guidance. For example, the influenza epidemic came to an end before the end of February, and in this year March was an exceptionally fine month." MR. ROBINSON referred to the original estimate of a 2 per cent. fall in prescriptions and suggested there was abundant evidence that people were not getting the prescriptions they needed. MR. POWELL did not agree and said "... One cannot take individual months without regard to the circumstances, and certainly nothing less than the experience round the whole year can disclose any trends which are capable of being interpreted in that way." SIR. HUGH Linstead: "In view of the differing evidence and opinions which have been expressed, and the fact that we have had some months' experience of the new charge, might it not be wise for the Minister to initiate some inquiry to try to find out what the situation is today?" MR. POWELL: "I still think that it is too early for anything of that sort, but I am sure that the professions and the bodies which administer the Service will bring to my attention any evidence which comes their way."

Legislation Refused

MR. GRESHAM COOKE asked the Minister of Health on June 5 if he would introduce legislation to prevent the sale of tablets purporting to modify the effects of alcohol. MISS EDITH PITT (Parliamentary Secretary, Ministry of Health): "No." The questioner then wanted to know if the Minister was "aware that ... 'Soberettes' are on sale in pubs and sweet shops, which are banned by the Pharmaceutical Society from being sold in chemists' shops, which might give the impression that drunken motorists can cure themselves from alcoholism by taking these pills? Is it not wrong that this sort of pill, which gives no evidence of any content, should be on sale giving a false assurance to people that they might be cured?" MISS PITT: "I am aware that such tablets are on sale. It is not quite correct to say that the Pharmaceutical Society has banned them. It has issued a notice advising chemists

"... in view of the possibility of misuse and the consequent danger to the public ... " they should not stock or sell these preparations, but the evidence available

does not suggest that they are medically harmful."

Hearing Aids

MR. D. FOOT asked what progress had been made with the development of a transistor-type deaf-aid with bone conduction earpiece. In a written reply on June 5 MISS PITT stated the first supplies were expected early next year.

COMPANY NEWS

Last year's figures in parentheses

FARLEY'S INFANT FOOD, LTD.—By recommending a final dividend of 20 per cent. the board is raising the total payment for the year ended April 1 to 30 per cent. from 19½ per cent. for the 66-week period ended April 2, 1960. Group net profit was £105,799 (against £164,615) after tax of £92,494 (£71,356).

COLEMAN & CO., LTD.—A scrip issue of one-for-two is proposed by the board. The final dividend of 15 per cent. is maintained but the total payment for the year ended March 31 is increased by 2½ points to 22½ per cent. Net profit rose from £76,533 to £97,650, before tax of £47,943 (£34,077).

DOW AGROCHEMICALS, LTD.—All shares have been acquired by the Dow Chemical Co., Midland, Michigan, U.S.A. Dr. W. E. Ripper will remain managing director of the company which will continue to market its products in the United Kingdom and several Commonwealth countries in accordance with existing arrangements.

DUFAY, LTD.—The offer for the whole of the preference capital made by Mr. Marcel Martin (C. & D., May 6, p. 458), who controls Highgate Optical Manufacturing Co., closed on May 26, by which date the purchasers state that they had control of approximately 46 per cent. of the first preference stock and 52 per cent. of the second preference.

EUCRYL, LTD.—Group profit, before tax for 1960, is £90,735 (£51,728), and dividend 15 per cent. (12 per cent.), as previously reported (C. & D., May 6, p. 458), with proposed rights issue at par. Fixed assets £146,254 (£63,238). Current assets £235,361 (£233,562), liabilities £120,954 (£57,563). Chairman says issue will relieve immediate capital requirements and in consequence he hopes it may not be necessary to be so conservative with future distributions.

BUSINESS CHANGES

S. C. COOPE (CHEMISTS), LTD., have opened a branch at 42 Eastpines Drive, Anchorholme, Cleveleys, Blackpool.

A. F. SUTER & CO., LTD., have removed to Cereal House, 58 Mark Lane, London, E.C.3 (telephone: ROYal 9449).

ALLEN & LLOYD (CHEMISTS), LTD., have closed their branch at 31 Wellington Street, Aldershot, Hants, and have opened another at 246 North Lane, Aldershot.

DR. E. W. SKYRME, F.P.S., managing director, Shurzine Pharmacy, Ltd., has sold his premises at 12 Wellington Place, Hastings, to a building society which has its head office adjoining. Shurzine pharmacy is to re-

move to premises nearby at 24 Castle Street in a new shopping parade in October.

CREWE CO-OPERATIVE FRIENDLY SOCIETY, LTD., have temporarily moved their pharmacy to 97 Market Street, to allow the enlarging and modernisation of its pharmacy premises, also in Market Street.

A NEW shopping block, opened in Old Milton Road, New Milton, Hants, on June 6, by R. A. Phelps, Ltd., includes a pharmacy under the supervision of Mr. W. W. Tomalin, M.P.S., a director of the firm.

FRENCH & PLUCKNETT, drug brokers, Market Buildings, Mincing Lane, London, E.C.3, are to cease trading from June 15 upon the retirement of the sole proprietor, Mr. H. T. Groom.

MR. JOHN FENNESSY, who has been manager of Roches' Chemists, 50 Lower O'Connell Street, Dublin, for the past eighteen years, has taken over the pharmacy of Mrs. Rosemary McDonnell (*née* Barrett), who has retired from business, at Cross Kevin Street, Dublin. The premises which Mr. Fennessy had managed for Roches has

been sold to a non-pharmaceutical concern. Messrs. Roches will continue to conduct their other pharmacy at 61 Upper O'Connell Street.

PERSONALITIES

MR. A. M. CARR, M.P.S., has been appointed a justice of the peace for the borough of Smethwick.

MR. C. R. DUFFIN, M.P.S., who is a director of Duffin & Walsh, Ltd., 15 Silver Street, Wakefield, has been appointed a justice of the peace for the City of Wakefield.

DR. JAMES CROSSLAND, who is lecturer in the department of physiology, University of St. Andrews, has been appointed reader in pharmacology in the department of pharmacy at the University of Nottingham, as from next session.

DR. H. L. FREEMAN, M.A. (Oxon.), B.M., D.P.M., who is the only son of Mr. B. Freeman, M.P.S., F.B.O.A. (Freemans Chemists & Opticians, Ltd.), Altrincham, Cheshire, and who is at present senior registrar at the Littlemore Hospital, Oxford, has been appointed consultant psychiatrist to the Salford Royal Hospital, Hope

Hospital and Springfield Hospital Manchester.

MR. T. B. HARVEY, M.P.S., who is a member of Plymouth City Council was presented with a coffee table as a token of respect and good wishes at the Plymouth Pharmaceutical Committee's meeting recently. Mr. Harvey is a past chairman of the committee, of which he had been a member for thirty years. He has also been chairman and vice-chairman of Plymouth Executive Council.

MARRIAGE

BRUNT-SPENCER.—At All Saints' Church, Ockbrook, Derby, recently, James Michael Brunt, M.P.S., 18 Hill Top Farm, Draycott, Derbys, to Jane Spencer, Ockbrook.

DEATHS

FILSON.—On May 3, Mr. Harry Julian Filson, F.P.S., 441 Mill Street, Bradford, Manchester, 11. Mr. Filson qualified in 1948.

RATHBONE.—On May 17, Mr. Arthur Rathbone, M.P.S., 17 Woodland Grove, Penwortham, Preston, Lancs. Mr. Rathbone qualified in 1920.

TRADE NOTES

Works Outing.—CIBA Laboratories, Ltd., Horsham, Sussex, notify that they will be closed on June 13 for the annual works outing.

Prices Down.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1, announce that the price of Mycil (chlorphenesin) spray is being reduced on June 12.

Now Tax-free.—Imperial Chemical Industries, Ltd., Fulshaw Hall, Wilmslow, Ches, notify that Primaquine tablets are now exempt from purchase tax.

A 100-tablet Pack.—Nicholas Laboratories, Ltd., 225 Bath Road, Slough, Bucks, are now issuing Paracetamol tablets (oral treatment for hæmorrhoids) in a new pack of 100 tablets.

Shampoo Spray.—The New Croydon Rubber Co., Ltd., 36 Mitcham Lane, London, S.W.16, list on another page wholesale distributors throughout the country from whom the Pompette shampoo spray may be obtained.

Additional Packs.—Camden Chemical Co., Ltd., 61 Grays Inn Road, London, W.C.1, advise that Disipal (orphenadrine hydrochloride) tablets are now available also in packs of 1,000 and 10,000.

A 500-mgm. Tablet.—In addition to the original 200-mgm. tablet of Hexopal, Bayer Products division of Winthrop Group, Ltd., Winthrop House, Surbiton-upon-Thames, Surrey, are introducing a 500-mgm. tablet in bottle of 100.

Purchase-tax Reduction.—Ever-Ready Razor Products, Ltd., 26 Bedford Row, London, W.C.1, announce that their product Sterishave for razor hygiene has been placed in a revised purchase-tax category, reducing the tax from 50 to 25 per cent.

Change of Address.—The address of the secretary of the South-west Metro-

politan Hospital Pharmacists' Committee is now: W. S. Benjamin, M.P.S., Chief Pharmacist, Crawley Hospital, West Green Drive, Crawley, Sussex.

Insecticidal Lacquer.—Gerhardt-Penick, Ltd., Thornton Laboratories, Purley Way, Croydon, Surrey, claim something new and

unique in insecticides with their Dethlac aerosol spray. The product is a lacquer in aerosol form claimed to remain effective for at least twelve months. "Far from being washed away, its killing power is actually made more effective by washing." The lacquer is colourless and suitable for spraying on gloss paint, window frames, greenhouses, etc. It is understood to kill all flying and crawling insects alighting on its surface. Messrs. Gerhardt draw attention to the symbol which they have recently adopted and which is here reproduced.

Four Sets for the Summer.—The range of safety razor sets for the summer months available from Gillette Safety Razor Co., Great West Road, Isleworth, Middlesex, includes four sets each in a different price bracket. At the upper end of the price range is the Gillette Adjustable razor set, the price of which has been reduced from 17s. 6d. to 15s. The set is now available on a 3-set stand instead of the 6-set stand used in 1960. The set is being advertised in 30-second "commercials" on all television networks throughout July, and arrangements have been made to recompense any retailers who still carry adjustables priced at 17s. 6d. from last year. In the lowest price bracket the company have made available further supplies of the No. 37 set first introduced at the beginning of 1961 as a means of extending the sampling of Blue Gillette Extra blades. The set comprises a razor and four Gillette Extra blades

packed in a polystyrene shell. The set is being included as a "trailer" in the Blue Gillette Extra advertising up to June 20 and from July 23 to August 20. During the period June 21 to July 22 it is being given a special campaign on both press and television. The other two sets in the summer range are the 80 and the Traveller.

Bonus Offers

ALLEN & HANBURY, LTD., Bethnal Green, London, E.2. Haliborange. 2 doz. invoiced as eleven-twelfths of trade price. Complete dozens only. June 5 until August 26.

DORANT LABORATORIES, 91 Amhurst Park, London, N.16. Dorant mouth wash. One bottle free on order for six bottles, three bottles free on order for twelve bottles. Until September 30.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex, Antisan cream. Thirteen to doz. Avomine tablets. Thirteen to doz.

PRETESTED PRODUCTS, LTD., Maple Cross Industrial Estate, Rickmansworth, Herts. Nair cream and lotion. 25 per cent. off usual purchase price on minimum three units of each. Until June 30.

REXALL DRUG CO., LTD., Loughborough, Leics. Rexall Orderlies. Thirteen to doz. on display outer of six or sixteen. Fourteen to doz. on combined order for one display outer each of 6's and 16's. Rexall Mulcets. Thirteen to doz. on 2 doz. or more. Fourteen to doz. on order for 4 doz.

WARRICK BROTHERS, LTD., Warrex Laboratories, Tile Hill, Coventry. Rinstead pastilles. Thirteen tins to doz. on orders for four-doz. parcel.

INFORMATION WANTED

The Editor would appreciate information about the following:

Gabazine or Gebazine for destroying wasps
Tridex tonic for dogs

NEW PRODUCTS AND PACKS

Pack Change.—Johnson & Johnson (U.S.A. Inc., New York, N.Y., U.S.A.), Slough, Bucks, are currently distributing their first-aid cream antiseptic in a revised pack: a metal tube with individual carton in blue, white and red design.

Spray Packs.—Glaxo Laboratories, Ltd., Greenford, Middlesex, announce the introduction of spray-lotion packs of Efcortelan and Predsol. The new aerosol packs, which are available from wholesalers, are in addition to the existing plastic bottle packs. Each of the spray lotions is available in plain and with neomycin sulphate varieties.

Calf Blood Without Protein.—A protein-free calf-blood extract, Solcoseryl, obtained from animals in which the reticulo-endothelial system has been stimulated, has been formulated by Ciba Ltd. (Great Britain), Ltd., 4 Weedington Road, London, N.W.5, as a tissue regenerator. It is available in a box of six 2-mil ampoules for injection and as an ointment in tube of 10 gm.

Non-barbiturate Hypnotic.—John Wyeth & Brother, Ltd., Clifton House, Clifton Road, London, N.W.1, announce the introduction of a new speciality, Indorm capsules, a new non-barbiturate hypnotic which acts at both cortical and sub-cortical levels. Indorm is claimed to provide safe and certain treatment of insomnia in all types of patients, irrespective of age or clinical condition. Each Indorm capsule contains 20 mgm. of propiomazine and the product is available in bottles of 10 and 100 capsules.

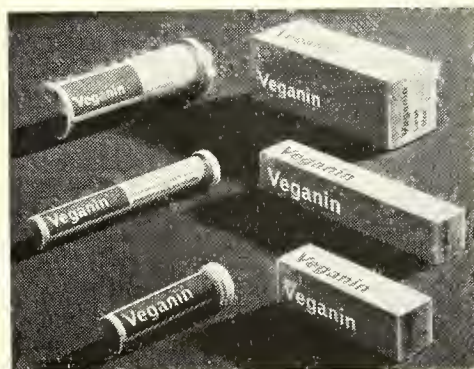
Long-term Diuretic Therapy.—CIBA Laboratories, Ltd., Horsham, Sussex, announce the introduction of a new speciality Navidrex-K tablets, claimed especially valuable in long-term diuretic therapy. Each sugar-coated tablet contains 0.25 mgm. of the oral diuretic furosemide (half the content of the standard tablet). Specially formulated slow-release core containing 600 mgm. of potassium chloride is designed to avoid gastric and intestinal irritation, nausea and the uncertain absorption associated with enteric coating. Navidrex-K is issued in containers of twenty-five, 100 and 500 tablets.

An Antiseptic Mouth Wash.—Dorant Laboratories for Applied Biology, Ltd., are introducing through their associated company Dorant Laboratories, 91 Amhurst Park, London, N.16, a new antiseptic mouth wash, Dorant. It is understood to have had highly successful trials by the dental profession, Dorant incorporates "a selective combination of the esters of parahydroxybenzoic acid, having together a useful range of antibiotic and antifungal properties in mouth hygiene." The product is understood to be economical in use. It is being advertised in the southern television area from June to September.

A Weapon Against Cross-infection.—Steriloderm, a product being shown by Willows Francis, Ltd., London and Ipswich, at the Birmingham Medical Exhibition, June 12-16, is designed to assist in the reducing of hand-borne cross-infections in hospitals, clinics,

public health work, general practice, etc. Steriloderm is understood to kill both Gram-positive and Gram-negative organisms and, when regularly applied to the hands, wrists and arms after every wash throughout the day, to reinforce the usual aseptic precautions. The product contains 0.01 per cent. of hexachlorophane, 0.01 per cent. orthophenylphenol and 45 per cent. of isopropyl alcohol in a physiologically inert jelly of pH 5.5-6.5. It is supplied in 60-gm. tube (sufficient for 30-40 average applications). Steriloderm may also be kept in first-aid kits, emergency bags, ambulances, etc.

Redesigned Packs.—For the first time since 1932 a major design change has taken place in the packaging of Veganin, marketed by William R. Warner & Co., Ltd., Eastleigh, Hants. Illustration shows new packs (10's, 20's and 50's) designed for sale on the Brit-



ish market, but possibly to be introduced to the overseas markets later this year. With the designs Messrs. Warner are also introducing a new cartoned pack of fifty (since its introduction in 1956 the fifty pack has been sold in an uncartoned drum). The new packs are aluminium tubes with polythene stoppers. The company recommend that old stock should be cleared first: there will be no exchange of stock.

Improved Formulation.—A. Wander, Ltd., 42 Upper Grosvenor Street, Grosvenor Square, London, W.1, announce the introduction of Velactin, a new product based on the formulation of Wanderlac which has now been discontinued. Velactin is claimed to show a closer resemblance to cow's milk in consistency, taste, colour and biological values. The mineral content of the product has been brought up to the standards of natural milk, which it is intended to substitute. Velactin is a powder of lower density and a 9-oz. tin produces 3 pints of liquid. The manufacturers state that Velactin is produced primarily for the treatment of children who are intolerant of, or allergic to, maternal or cow's milk and who risk non-survival.

Premenstrual Relief.—Described as "a new medicine working on quite new principles," a "new" Quadrin, marketed by Burrows Lyham, Ltd., 197 Lyham Road, London, S.W.2, is claimed to give to women, at the time of the monthly period, specific relief from pelvic and abdominal pain; rapidly to relieve general pain, headaches, etc.; and to get rid of that

"blown-up" feeling. Quadrin contains 0.5 mgm. of Bendrofluazide; 1 mgm. of homotropine methylbromide; 250 mgm. of paracetamol; and 10 mgm. of extract valerian, B.P.C. An explanatory booklet is available for giving to customers. The new Quadrin supersedes the original Quadrin, which was discontinued in January 1961. The display outer contains twelve bottles.

Nationally Advertised Perfume.—A new perfume, Interlude by Grécaux, is being distributed in the United Kingdom by R. T. R. Malynn, Ltd., 1 Milk Street, London, E.C.2. Interlude is available in three sizes.

New Lipstick Shade.—Revlon International Corporation, 86 Brook Street, London, W.1, are introducing a new summer shade of lustrous lipstick, Pink a la mode, described as "a light pink but with a glowing depth of colour."

Cream Depilatory.—Pretested Products, Ltd., Maple Cross Industrial Estate, Denham Way, Rickmansworth, Herts, are introducing, in a jar pack, new Nair cream depilatory for sensitive skins.

Products for the Skin.—A. B. Curtis & Co., Ltd., 11 Seacoal Lane, London, E.C.4, have added to their list of manufactured products Courtesy cleansing cream in 8-oz. opal jar, and Courtesy cleansing lotion in 4-oz. polythene bottle.

Aerosol Hair Lacquer.—Myram Picker, Ltd., Hook Rise, Kingston By-pass, Surbiton, Surrey, have launched an aerosol hair lacquer in varieties for "hard-to-set" and for "easy-to-set" hair. The product is issued in an outer containing six of each.

Hair and Shaving Creams.—Sidney Margolis, Ltd., Margo House, Hemp Row, London, S.E.17, have added two items to their range of toilet preparations: Margo's tonic hair cream and Margo's lather shaving cream, each in cartoned tube in outer of twenty-four.

"Bright, Brilliant, Boastful."—That is the description applied by Revlon International Corporation, 86 Brook Street, London, W.1, to their "Berry Bon Bon" "dynamic vibrant red softened with a dash of pink" cosmetic shade to complement the autumn and winter fashions of 1961. On retail sale from September 6, the new shade is available in lustrous and Lanolite lipsticks, and regular and frosted nail enamels.

New Lipstick Colours.—Guerlain, Ltd., 14 Grafton Street, London, W.1, have introduced "Canna" and "Dahlia" shades of lipstick, the first "a vivid, glowing peach of a pink, exotic as the Canna lily itself," and the second "as gay and flamboyant at its name suggests, truly a sunshine red." Messrs. Guerlain have also introduced "a collection of newer, more subtle make-up tones" for the summer of 1961. The range includes "Sable" ("the golden tones of sandy beaches translated into a sophisticated beige"), "Le Touquet" ("a warm-tinted summer beige shade"), "Tourterelle" ("moka in the jar, café au lait on the skin") and "Beige Dore" (golden beige).

Summer 1961 Lipstick Shade.—Yardley & Co., Ltd., 33 Old Bond Street, London, W.1, introduced on the market for sale at the end of May a new summer lipstick shade: Capri pink, described as "a warm soft peachy pink," designed to be worn with this season's fashion shades.

New Perfume, New Presentation.—Two Astral products, Astral cream soap and skin cream, have been given a new pack, a new perfume and (soap) new shape. The cream soap pack and skin cream container and unique soap shape have been designed by Richard Lonsdale-Hands Associates for the manufacturers, D. & W. Gibbs (U.K.), Ltd., Hesketh House, Portman Square, London, W.1. The shape of the soap is stated to be pleasant and easy to hold in the hand and is designed to present the minimum area in contact with the soap container, thus preventing wastage. The soap is claimed to "retain its shape down to the last slither" and not to split or crack. The new Astral perfume has a light floral bouquet with rose and lily of the valley underlying a clean fresh top note. The superfatting charge in the Astral soap has been doubled giving greater lather effect and a second milling of the soap base has been under undertaken, giving a finer and more homogeneous soap. The glycerin content, too, is stated to have been raised. The tin in which Astral skin cream was previously packed has been replaced by a plastic container in new Astral colours of greeny/blue, white and gold.

Redesigned.—Changes in pack design give Floret fly killer and Haze air



freshener aerosols each a new look, as illustrated. Both have been made "vividly eye-catching in time for the record sales expected this summer." Manufacturers are Reckitt & Sons, Ltd., Dansom Lane, Hull. Containers are by Metal Box Co., Ltd., London, W.1. In the design of the containers influencing factors were the availability of Floret in six fragrances, calling for a floral symbol, coupled with the makers' wish to create a "family" of products, the "Reckitt's household aerosols."

Plastic Toy.—William Oliver's (Rubber), Ltd., Blackhorse Lane, London, E.17, have brought out a new squeaky vinyl Olitoye: "Lenny the Lion," each

packed in polythene with a descriptive "header card" closure. Distribution is through trade wholesalers.

"Luxury" Sanitary Protection.—Originally produced in Sweden and understood to be used by two out of three women there and in other Continental countries, Mimo-Sept sanitary napkins for women are now made and distributed in Great Britain by Dalmas, Ltd., 215 Charles Street, Leicester. The pack presents 1 doz. in an opaque white polythene bag containing an "exclusive" deodorant.

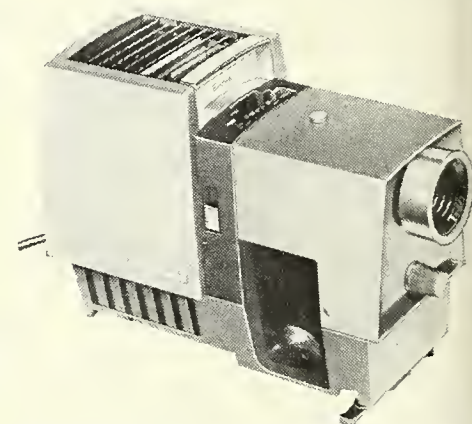
Removing Tar from the Skin.—A new product, 'Tar Remover,' launched by Henry C. Stephens, Ltd., Gillespie Road, London, N.5, is opportune in preventing holidays from being spoilt by tar, oil and grease collected on sea-side beaches. Presented in a tube 'Tar Remover' is simply applied to the skin, enabling the tar, etc. to be rubbed away. The product may also be used to remove dirty marks from woodwork, sinks and baths, oil and grease collected while tinkering with the car, and ink from the skin. It is not suitable for use on clothing.

Electrically Heated Feeding Bottle.—The new Polkris feeding bottle marketed by Miller Gwynne Sales, Ltd., 112A Junction Road, London, N.19, is claimed "the safest baby bottle heater in the world," being electrically heated and thermostatically controlled. The heater is designed for use on 220 to 250 volt A.C. and is supplied with a flexible lead. In use, the cap is unscrewed, the bottle containing the food inserted into the container, the cap replaced. In approximately ten minutes a light in the base of the container is extinguished indicating that the food is at the required temperature.

Spot-lifter Spray.—Pristine Products, Ltd., 11 Stoke Poges Lane, Slough, Bucks, are marketing a new pressurised "One Two" spray-spot-lifter that is to be advertised on television in the Southern television area from June 1. One Two spray is simply sprayed on to the stained fabric, allowed to dry to a white powder (in only four minutes) and brushed off. The pack is a 2-oz.

can. One Two spray is supplied to the trade in outer of 1 doz. cartons, each containing a sell-out container holding six cans. Display stands are available.

Whiteners for Fabrics.—Mayborn Products, Ltd., 139 Sydenham Road, London, S.E.26, market two whitening products for use in laundering nylon, Bri-nylon, Bri-lon and Ban-Lon materials, etc. Nylon-White, which is issued in a sachet, and is sent out to the retailer two dozen to a display outer, is claimed to whiten dingy nylon preventing discoloration if used regularly. Dylon Super-White is claimed to "take the yellow out of wool, cotton, linen, silk, rayon, acetate and Celanese and nylon." It is understood to contain an exclusive new brightening agent to which the name Solite has been given. Dylon Super-White is issued in a sealed tin or economy size jar.



DESIGN CENTRE AWARD WINNER: Among the 1961 Design Centre awards, for which the Duke of Edinburgh presented certificates to manufacturers on May 17, was the Kodaslide 40 Slide Projector of Kodak, Ltd., London, W.C.2, a domestic slide projector for 2 x 2-in. or 35-mm. transparencies. The projector is fitted with a 150-watt mains voltage projection lamp and aspheric condenser system. Its illuminating system may be removed in one piece for dismantling and cleaning. The casing is made of polystyrene and there is a retractable carrying handle. The judges liked its compact and expressive shape, were impressed by the slide changing mechanism (as each slide is inserted it pushes out its predecessor to be stacked automatically in a chamber at the base of the projector).

PREMENSTRUAL TENSION

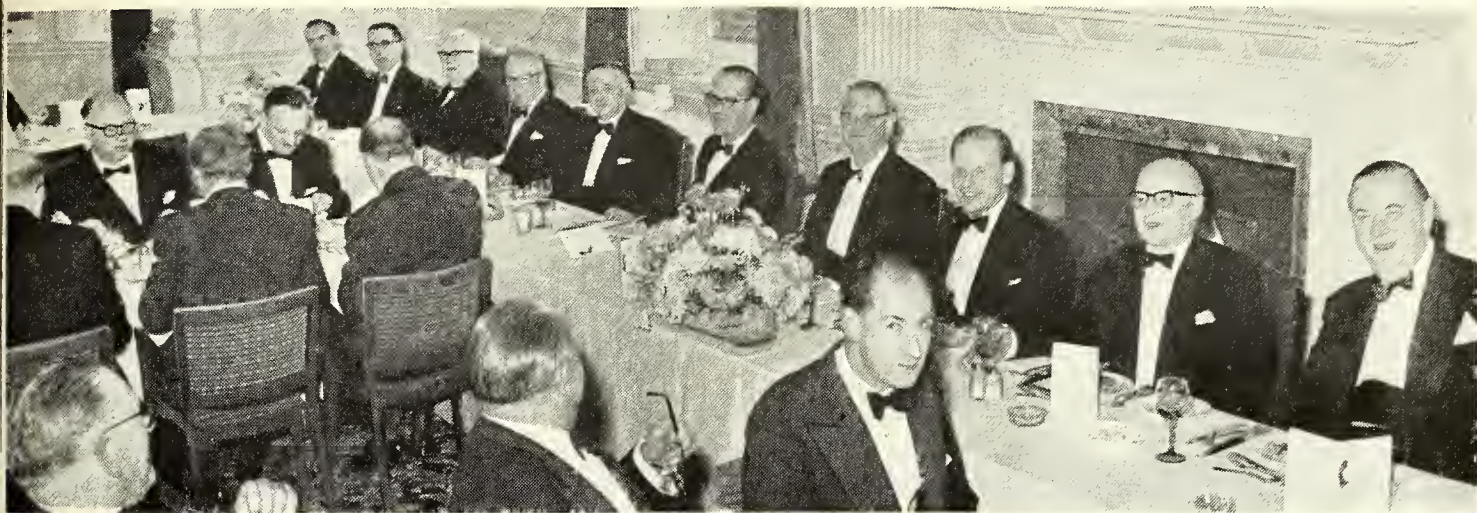
Talk to editors of women's journals

A TALK illustrated by diagrams on the subject of premenstrual tension was given by a woman doctor who had carried out some statistical investigations in the subject to editors of women's periodicals on June 6. An emotional, even "anti-social" state is known to occur in most women, before and during menstruation. Premenstrual tension occurs in the four days preceding menstruation as a result of changes in the relative quantities of oestrogen and progesterone in the body, causing the body to retain excessive quantities of water. In Britain approximately 50 per cent. of women suffer from symptoms of premenstrual tension. Among women who have previously suffered from toxæmia during pregnancy an incidence of 83 per cent. was found in a survey undertaken in 1954. Recognition of the condition depends on the astuteness of the medical practitioner and the intelligence of the

patient. The slides shown by the speaker demonstrated over half the women admitted to four London hospitals as the result of an accident were menstruating or in the premenstruum, indicating that, during those two vital phases of the menstrual cycle, women are more accident-prone than at other times. Investigations at several mental hospitals in 1959 showed that more than half the women admitted in an acute stage of psychiatric illness were found to be in the premenstrual or menstrual phase of their cycle, that suicides and admissions for depression were particularly prevalent during those two phases; into emergency admissions to medical and surgical wards showed that there was a decrease in pain tolerance during that time; and in general practice that more than half the women visited as "flu" patients were in the premenstrual or menstrual phases of their cycle.

Northern Wholesalers' Conference Dinner

SIXTY PRESENT AT HARROGATE



THE annual conference dinner of the Northern Wholesale Druggists' Association was held in Harrogate on May 17. Hosts were Lofthouse & Saltmer, Ltd., Hull, and Middleton & Co., Ltd., Middlesbrough. Chairman was Mr. T. R.

Scholfield, F.P.S. (Middleton & Co., Ltd.). Over sixty members were present. The toast of the Association was proposed by MR. H. G. T. READ (Hirst, Brooke, Goodalls, Ltd.) and the response was made by MR. HAROLD

Some of the sixty diners at Harrogate on May 17.

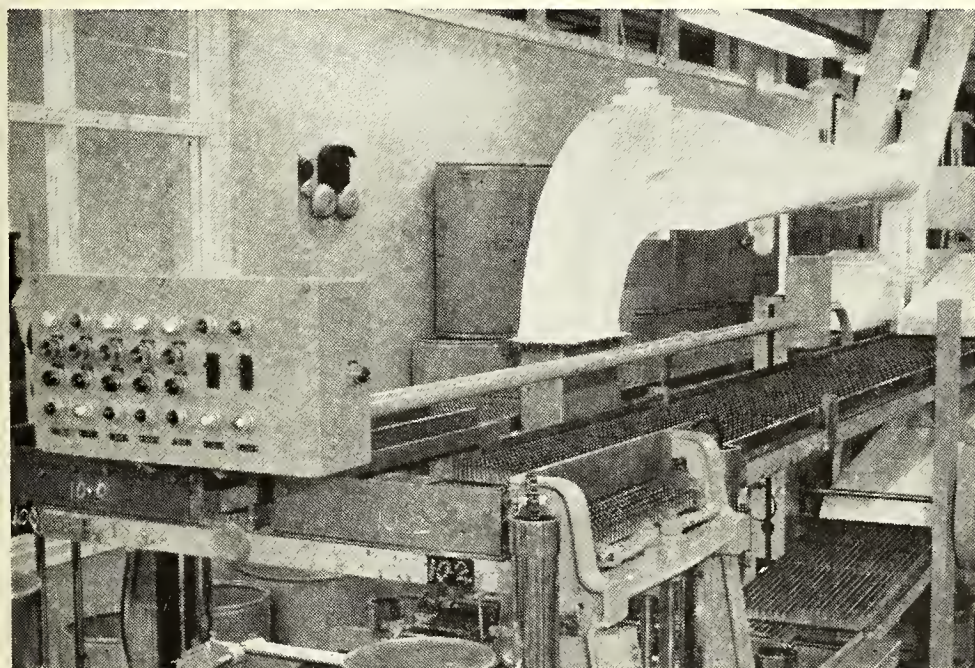
COXON (John Knox, Ltd.). At lunch the following day Mr. A. Surfleet (chairman, Lofthouse & Saltmer, Ltd.) was host to a party of forty.

400 Million Capsules a Year

PRODUCTION CAPACITY AT A CAPSULE PLANT UNIQUE IN EUROPE

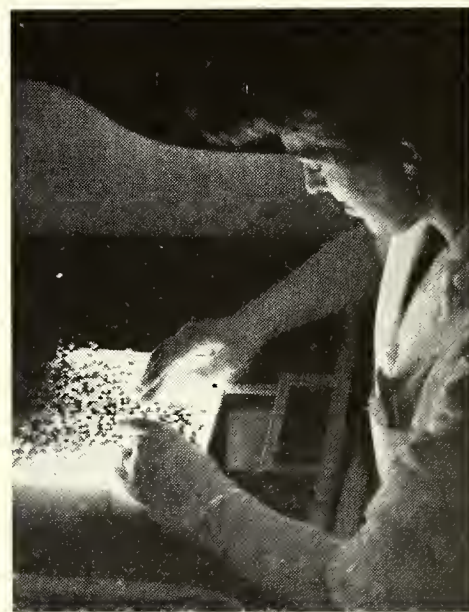
A PLANT capable of producing 400 million capsules annually is now in production at the Hounslow factory of Parke, Davis & Co. Installed at a cost

of £500,000, the plant contains equipment unique in Europe in design and output. Each £100,000 capsule-making machine is fitted with 750 pairs of bars bearing a total of 22,500 mould pins. Cap and body dishes are separate, and 150 pairs of cap and body pins are dipped at one operation.



Other machines fill, seal, polish and print on the capsules. After manufac-

ture and a preliminary scrutiny, each capsule is inspected twice by workers who examine the capsules over an illuminated panel in a darkened room at a rate of up to 30,000 an hour. The plant occupies 18,000 sq. ft. and employs a staff of sixty-five. Under its air-conditioning scheme a complete air-change takes place every seven to eight minutes. The whole of the company's capsule requirements are met by the plant and a proportion of the output is exported to purchasers in overseas territories.



At left, part of one of the £100,000 capsule-making machines. In the foreground are to be seen some of the 22,500 mould pins. Above, an operator inspecting capsules over an illuminated panel.

N.H.S. STATISTICS

In LIVERPOOL, health services for the year ended March 31 cost £3,263,610 against £2,757,331 the previous year. Pharmaceutical services accounted for £1,241,338 (£1,116,277).

In ENGLAND during January 22,088,447 prescriptions (14,307,552 forms) were dispensed at a total cost of £8,091,514. Average cost per prescription was 87.92d.

BRANCH EVENTS

EPSOM AND SUTTON

Pricing Bureau Procedure

THE superintendent of the Harlow prescription pricing bureau (Mr. M. L. McGrath) explained to members of the Epsom and Sutton Branch of the National Pharmaceutical Union recently how prescriptions were dealt with from their receipt at the bureau to the final checking and completion of pricing. Great care was taken, he said, to ensure that the pricing staff had a high standard of efficiency so as to secure fair and proper payment to chemist contractors. He described the long training period, interspersed by examinations, for the pricing clerks. The endorsing on prescription forms by the chemist of the packs of proprietaries used—on a note made of the product dispensed by the chemist where his own knowledge of local doctors' handwriting might ease a possible difficulty in deciphering an ill-written name—lessened the possibility of prescriptions being returned by the bureau for elucidation.

LIVERPOOL

Annual Meeting

MR. H. HUMPHREYS JONES was elected president—an office he has held on three previous occasions—in succession to Mr. C. W. Robinson at the annual meeting of the Liverpool Chemists' Association on May 11. MR. D. L. REES presented the accounts which showed increased credit balances. He expressed appreciation to Liverpool Chemists' Golfing Society for the donation to the benevolent fund. MR. W. G. FOWLER (secretary) in his report outlined the activities of the Association and Branch, one of the outstanding events being the technological evening at the Pharmacy Department of the Liverpool College of Technology. MR. J. FARRER BARNES said that Mr. F. W. Adams (secretary and registrar of the Pharmaceutical Society) had been made an honorary associate of the College of Technology. Thanks were expressed to Mr. C. S. Cullen for his efforts in organising the dance which resulted in £200 being sent to the Benevolent Fund. When MR. ROBINSON invited views on, or suggested amendments to, the resolutions on the agenda for the Society's Branch Representatives' meetings, MR. R. CLITHEROW expressed the opinion that it would give more time for discussion if in future years the resolutions were available earlier. MR. J. P. MURPHY said he hoped some latitude would be given the delegates because sometimes a resolution was "so torn to pieces" that they could not vote for it. Comment was made on the Mansfield Branch's resolution that the Council of the Society should not come to any final decision regarding the recognition of diplomas in pharmaceutical technology until an opportunity has been given for full discussion of the subject at branch level. MR. J. FARRER BARNES expressed the hope that there would eventually be technicians in pharmacy. If that came about, he said, it would improve the status of pharmacies and pharmacists. MR. J. P. MURPHY spoke also in support of technicians.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Corks or Caps

SIR,—I read with great interest the article in your June 3 issue about the modernisation of G. P. Fairman's shop in Sunderland until I came to the statement that bottles and corks were located near to the lift. Surely a new shop like this is not still putting out *corked* bottles! I have been using plastic caps for five years now and regard corks as a relic of bygone days. I commend the change to Messrs. Fairman, if in fact the statement is not a printer's error.

CYRIL DALZIEL,
Salford, 6

[We should be surprised if a majority of pharmacists considered corks obsolete or plastic caps the perfect answer, attractive though they are.—EDITOR.]

Wrong Salient?

SIR,—No doubt the members of the Pharmaceutical Society will be pleased to note that once more by its diligence and everlasting watchfulness the Council prevented those archdeacons of crime the manufacturing chemist and the pharmacist from exploiting the long-suffering public by selling them "dangerous" sun-tanning tablets. By that masterly action the ban was imposed even before distribution was effected (the Council even beat the *Daily Mirror* to it this time). Newspapers slander us, our sales are controlled by television (or at least greatly influenced) and the public and local authorities walk on us, but never a word against that. Can the Editor of the *C. & D.*—or anyone else for that matter—give us examples of cases in which the Society's Council has stepped in for the benefit, financial or otherwise, of its members? Do I see now, by the election results, that chemists are waking up to the fact that our enemies are within as well as without? I was in the City of London a few weeks ago, and a cut-price drug store had a window display of one of the decongestants which contain a poison. Why does not someone take action on that type of thing, and let the chemist use his training and discretion once in a while, so that we are saved from being dogged by pettifogging restrictions?

WOODEN HORSE

Drug-impregnated Bird Seed

SIR,—On p. 514 of your issue of May 20, in a paragraph describing bird seed impregnated with various medicinal substances, the statement is made that "Kernels freed from their husks and treated medically are known to be avoided by seed-eating birds which accept only the whole seed." The giving of medicines to cage birds is known to be difficult, and we agree as to the advantages of accomplishing it by incorporating the medicaments into the usual diet. Our own research work in this field led us to report that conclusion in a technical brochure published some two years ago. However, from the results of our work we cannot ac-

cept the statement that treated dehusked seeds are not accepted by the birds. We have found, in fact, that the dehusked seeds of small yellow millet when coated with liver extract, amino acids and vitamins, are well accepted by the birds. This finding has been utilised in a dietary supplement (Gallets) which has been sold by pharmacists for some two-and-a-half years. The results of studies of food acceptance and palatability in budgerigars are described by Waterhouse, Hutchings and Booker in a paper which has been accepted for publication in the "Journal of Small Animal Practice."

BOB MARTIN, LTD.,

E. H. B. SELLWOOD, *Chief Chemist*,
Southport, Lanes

Election Candidates' Thanks

SIR,—The encouraging support received at my first attempt to gain a seat on the Council was a pleasant surprise to me. A statement of policy was requested and I endeavoured to oblige the electorate. That unusual procedure by a candidate for Council may have lessened my chance of election but I should like to thank all those who voted for one who was made conspicuous by his eccentricity.

C. H. P. ROBINSON,
Mansfield, Notts

SIR,—I would like to express my very sincere thanks to all of those who voted for me in the recent Council election. Whilst not being successful, I realise there is quite a "wind of change," and would take this opportunity of wishing the Council a very successful year.

T. P. MARTIN,
Cardiff

SIGN OF A PHARMACIST



IN Holland a pharmacy is often identified by a "gaper" like the one shown above, which is outside an Apotheek at the Hague. The "gaper" may be assumed to be suffering from a sore throat, for the remedy for which he must call upon the pharmacist.

The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

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TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

TELEPHONE CENTRAL 6565

Good Intentions That Misfired

A NUMBER of lessons are to be learned from a careful study of the report by a special correspondent of *The Times*, June 5, concerned with the serious shortage of pharmacists in the hospital service. The report was prompted by the shortage of pharmacists at St. Thomas's Hospital, London, the decision of that hospital to suspend the dispensing of prescriptions for out-patients, and the suggestion that some wards might have to be closed eventually because prescriptions could not be made up for all the patients in the hospital. The report continues:—

"Out-patients from last week have had to take their prescriptions—about 15,000 items a month—to chemists' shops, which is slower, more expensive and regarded medically as altogether less satisfactory than having them dispensed in hospital." (Our italics.)

Such statements are provocative, unfair and, except in special circumstances, untrue. So also is a statement in the article indicating that the transference of dispensing from hospital to retail pharmacies is regarded by the hospital doctors as a retrograde step—"they like to be sure patients do get what is prescribed for them and follow their treatment." Provided the prescription is written in accordance with normal practice—and not in some "local style" or for some preparation whose formula is known only within the hospital, no question of "medical satisfactoriness" arises. In fact some members in retail pharmacy will be quick to point out that they are prevented from "substituting"—a restriction often not applicable in hospital practice.

However, the main theme of the article was the serious shortage of pharmacists in hospitals, due to the lower rates of pay in the hospital service than in other pharmaceutical spheres.

We have always supported pleas for increases in salaries for hospital pharmacists, and agree that more consideration should be given to providing a "steeper gradient at the bottom of the scale," but we do not consider that the claim should be based on facile statements that invidiously compare dispensing practices in various sectors of pharmacy.

All pharmacists in whatever sphere of activity should be motivated by the same professional outlook, as they are subject to the same disciplinary committee.

There is much sounder evidence to bring before the Whitley Council and it avoids what could too easily develop into an internecine warfare that will not assist any in pharmacy, but merely those outside who have no interest in the profession.

The subject of hospitals and their staffing is obviously an entirely proper one for *The Times* to ventilate, and the "special correspondent" concerned was equally obviously correct in consulting hospital pharmacists about the matter. If we can fault him at all, it is in allowing to be published a statement about retail pharmacists which must have seemed derogatory without referring the statements to contractor pharmacists for their comments, in the same way as he consulted the hospital pharmacists. We refuse to believe that it even occurred to the hospital pharmacists concerned that what they said might react adversely on their colleagues in other branches of the profession. They may, for example, have interpreted the words "medically less satisfactory" in an altogether more restricted sense than that in which the phrase would be interpreted by ordinary non-medical, non-pharmaceutical readers of *The Times*. The lessons to be learned for all pharmacists, it seems to us, are:—

1. To be wary of giving off-the-cuff answers to inquirers who may not have the necessary background information to interpret the answers. At the very least one is justified in demanding time for a considered statement.

2. Having secured that breathing-space, to contact a pharmaceutical authority familiar with other aspects of the problem than one's own. (In this case, Bloomsbury Square would have been better able to provide the answer.)

3. Never, in pressing a claim that may advance the interests of the section of the movement to which one happens to belong, to forget that gaining an advantage (in a propaganda sense) at the expense of another section may be to the long-term detriment not merely of that section but of pharmacy as a whole. The whole must always take precedence over the part.

Out-patient Dispensing Costs

THE same *Times* story that we criticise above gives figures to prove that dispensing is enormously less expensive in hospital pharmacy departments than in those of chemist contractors. The report states:—

THE Middlesex Hospital calculated that its 70,000 annual prescriptions for out-patients would cost £13,117 more if dispensed outside the hospital. On the one hand, the annual cost to the hospital for drugs and containers £26,000, plus salaries and overheads estimated at £7,800, making a total of £33,800. On the other hand, for retail chemists an estimated 30 per cent. difference between hospital and Drug Tariff rates, plus an on-cost allowance of 25 per cent., and a dispensing fee and container allowance, gave an estimated total of £46,917.

Whatever the true comparative costs may be, the unexplained and unsupported figures of any single hospital are not to be accepted as final evidence and certainly the particular figures given must be called in question. What do they cover? Who prepared them? Have they been audited and approved by accountants who have performed the same functions for contractor pharmacists?

It will be noted that "salaries and overheads" were "estimated." It may be wondered whether the "estimated" costs are calculated in a way which would be acceptable to the Ministry if, for example, the contractors were pressing a claim for increased remuneration.

Such a comparison of costs as published is misleading when the circumstances of the "transactions" are so diverse. To take the stock aspect alone, in hospitals the drugs are paid for before being dispensed, whereas in retail pharmacy payment follows some time after a prescription has been handled. The hospital pharmacist often has more control over the variety of products he handles—a control lacking to the contractor, who must supply exactly what is demanded. Even the application of the pharmacy legislation is different in the two spheres, whilst the varying effects of taxation further complicate situations that are already difficult to compare.

It is understood that the Ministry of Health is demanding a reduction in contractors' remuneration on the ground that the net return on N.H.S. prescriptions has advanced from the $3\frac{1}{2}$ per cent. which the Ministry apparently regards as the correct reward. On that basis it does not seem possible that a hospital department, however economically run, could save £13,117 on work for which contractors would receive £46,917.

What is the purpose of giving such figures? There can surely be no supposition that in any circumstances—even the conscription of pharmacists to hospitals—the hospitals would ever be able to take on the dispensing for the National Health Service. The contractors are fulfilling that function well and economically, and if there is any call for a change of terms, there are proper channels for bringing that about. Contractors, in fact, at the moment consider themselves unjustly treated as to remuneration, and have been holding a national conference this week to improve their lot.

NEW FILMS

O for Oxygen

British Oxygen Co., Ltd., Bridgewater House, St. James's, London, S.W.1. 16-mm. and 35-mm. Colour and sound. Running time 23 minutes. Free on loan to schools, colleges and similar organisations.

THE film has been made to mark the seventy-fifth anniversary of the company. From Priestly's discovery of oxygen in 1774, it shows how oxygen and other industrial gases have attained world-wide use in industry, medicine, aviation and scientific research.

Fundamental Principles of Immunisation

Wellcome Foundation, Ltd., The Wellcome Building, Euston Road, London, N.W.1. 16-mm. Colour. Sound. Running time 40 minutes.

THE background to immunological practice is explained in a concise manner by animated drawings that clearly illustrate the theory of antigen/antibody reactions and the difference between active and passive immunity. In addition, viewers are taken through the Wellcome Research Laboratories, where toxoid and antitoxin production are traced from the isolation of crude sera, through phases of separation and purification, to final packing for dispatch. Time is also devoted to the subject of inherited immunity, and to homologous (convalescent) sera.

Perfumes of France

Perfumery and Essential Oil Record, Diana House, 33 Chiswell Street, London, E.C.1. 16-mm. Sound. Colour. Running time: 28 minutes.

A DRIVE along the road leading to France's famous perfumery centre, Grasse, a panoramic view of the town and views of two factories which emphasise the "country house" style, set the scene for this film. Fields of jasmin, carnation and tuberosé plantations as well as the orange groves are visited and close-ups of the various flowers are shown. In the factory workers can be seen employing the enfleurage process using cold fat on sheets of glass in frames to extract the jasmin perfume. Next the processes

of treating the concrete with alcohol, filtering and distilling off the alcohol to yield the absolute is shown, while the commentary points out that four million petals of jasmin yield 1 kilo of jasmin concrete. After showing the lavender fields in full bloom the film turns to a typical lavender still and follows later with shots of modern distillation plant. The impact of synthetics on the perfumery industry in increasing the number of primary raw materials required is stressed. Storage tanks and the final filtration procedure are shown as well as a scene of filling, labelling and packing of the finished perfume.

Safety and Solvents

Distillers Co., Ltd., chemical division, Devonshire House, Mayfair Place, London, W.1, Mayfair 8867 16 mm. Colour. Running time 16 minutes.

ILLUSTRATING safety precautions in the handling of highly flammable materials, this film was made at the Salt End Hull, industrial chemicals factory of the division, which is under the supervision of Mr. J. Howlett, B.Sc., F.R.I.C., A.M.I.Chem.E. (division director and general manager of the site). Mr. Howlett is an authority on safety precautions in the field covered by the film. The elaborate precautions taken, particularly those designed to prevent the generation of static electricity, are detailed with the assistance of animated diagrams. The factory obtains the greater part of its raw materials by sea tanker from the Grangemouth plant of British Hydrocarbon Chemicals, Ltd. That company, jointly owned by the British Petroleum Co., Ltd. and D.C.L., is the largest purely petrochemical complex in Britain. The film shows plants at the Grangemouth site and at Hull, the precautions taken from the point of arrival of a sea tanker at the Salt End jetty and the discharge of the load by pipeline to bulk storage. Fire-fighting in a chemical factory calls for special techniques and the works fire-brigade has available supplies of water, alcohol-resistant foam and carbon dioxide for use according to the nature and location of any outbreak. Close liaison is maintained between the works brigade and the municipal brigade at Hull. The film is available on free loan to responsible organisations on application to the publicity department, chemical division, of the company.

ECHOES OF THE PAST

HOW TO TAKE SECONDARIES

From *The History of Life and Death* by Francis Bacon, 1676
AS *Opiates* are to be taken very sparingly, and at certain times, as was said, so these secondaries may be taken familiarly, and in our daily diet, and they will be very effectual to prolongation of life. Certainly an *Apothecary* of *Calecute*, by the use of *Amber**, is said to have lived an hundred and sixty years; and the *Noble-men* of *Barbary*, through the use thereof, are certifi'd to be very long-liv'd, whereas the mean people are but of short life. And our *Ancestors*, who were longer-liv'd than we, did use *Saffron* much in their Cakes, Broths, and the like. And touching the first way of condensing the Spirits of *Opiates*, and the *Subordinates* thereto, thus much.

Now we will enquire of the second way of Condensing the Spirits by Cold: For the proper work of Cold is *Condensation*, and it is done without any malignity, or adverse quality; and therefore it is a safer operation than by *Opiates*, though somewhat less powerful, if it be done by turns only, as *Opiates* are. But then again, because it may be used familiarly, and in our daily Diet with moderation, it is much more powerful for the prolongation of life, than by *Opiates*.

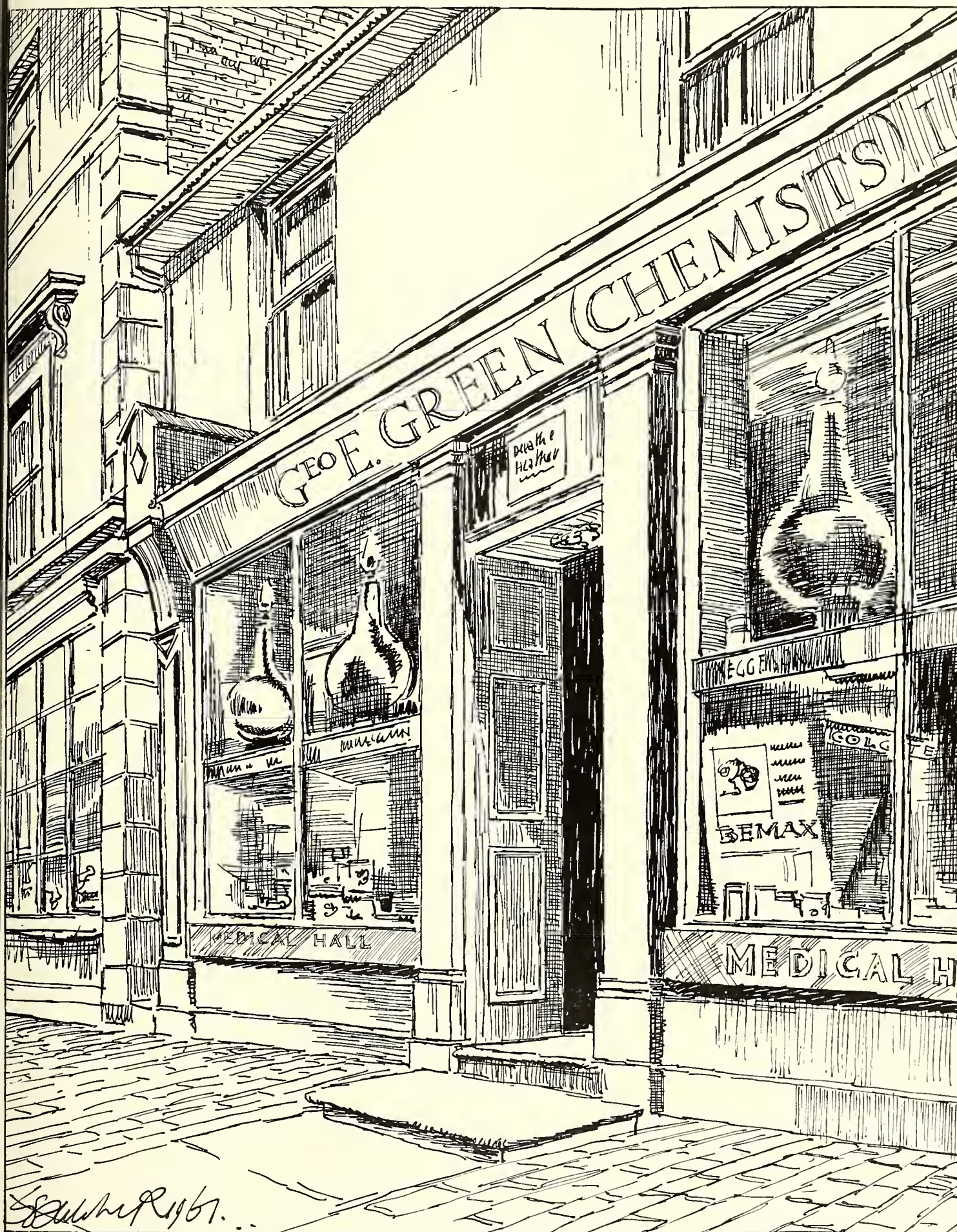
The *Refrigeration* of the Spirits is effected three ways, either by *Respiration*, or by *Vapours*, or by *Aliment*. The first is the best, but, in a sort, out of our power: the second is potent, but yet ready, and at hand: the third is weak, and somewhat about.

Air clear and pure, and which hath no fogginess in it before it be received into the Lungs, and which is least exposed to the Sun-beams, condenseth the Spirits best. Such is found either on the tops of dry Mountains, or in *Champagnes* open to the wind, and yet not without some shade.

As for the *Refrigeration* and *Condensation* of the Spirits by *Vapours*, the Root of this Operation we place in *Nitre*, as a Creature purposely made and chosen for this end, being thereunto led, and perswaded by these Arguments.

(*? Ambergris.)

PHARMACIES OF BRITAIN



THE PHARMACY OF GEORGE E. GREEN, SOUTHBOROUGH, KENT

The charming period pharmacy of George E. Green (Chemists), Ltd., has some good woodwork in the interior, plaster decoration above the door, and the inscription "Medical Hall" engraved in brass under each window.



"OPEN SHOP"

AN UNSCRIPTED COMMENTARY ON THE
SPECIAL PROBLEMS OF THE PHARMACIST
IN RETAIL PHARMACY

E. C. TENNER

OUR Mr. Adams certainly gave good service at the recent meeting of Branch Representatives of the Pharmaceutical Society with his clear and authoritative exposition of the significance of the Jenkin case. Few of us who have come into pharmacy since the "twenties" have cared to admit to anything deeper than a hazy impression of what that much quoted case was all about. Time and time again it has been resurrected to block the zeal of pharmaceutical reformers, so that, to many, J-E-N-K-I-N has spelt "frustration." Now that Mr. Adams has given us a closer look at it, and now that the representatives seem anxious to dispose of it, perhaps the Council *will* take steps to shake this Old Man of the Sea off pharmacy's back. Of course, Mr. Adams, in his preamble, managed to clothe the Council in the white sheets of innocence and purity, but that is a classic technique for such conferences, and the method is now second nature to him.

Sir Hugh Linstead, M.P., had earlier tried to don another white sheet, but with less success, though he did raise the blood pressure of members sitting near me. "We are not shopkeepers," he declared, thus exposing a fundamental misconception of the facts of pharmacy in Great Britain. That misconception may be the result of years of wishful thinking coupled with a rather Victorian or even Napoleonic approach to shops, but if it is held so near the summit in Bloomsbury Square it can be a positive menace. The truth is that pharmaceutical practice in Great Britain is always in part professional and in part something else. For the case of the overwhelming majority of members of the Pharmaceutical Society the "something else" is shopkeeping, but there are also (in hospitals, colleges and offices) some public service/professionals, some manufacturer/professionals and a few politician/professionals. It is no service to British pharmacy to deny its shopkeeping component.

Sir Hugh may not want to admit that it exists, but the glory of the beautiful illuminated ceilings at Bloomsbury Square will soon fade if Qucen Square comes to grief. Shopkeeping and professional work are both essential components of British pharmacy, which cannot exist without both.

Except for those who genuinely cannot afford it, people are getting used to the 2s. tax on a prescription, but the doctors are not likely to be allowed to forget their new (ministerially approved) habit of giving larger quantities of medicines, so that the net result of the 2s. tax will be a larger drug bill. In this respect I quote without further comment from a letter I have just had from the makers of "Cremalgin":

"... there is a clear indication of the need for a larger size Cremalgin pack for the *deserving* N.H.S. patient. We are therefore introducing this large economy pack which as far as the doctor is concerned will:—... provide for the truly deserving patient excellent value for his two shillings in the pharmacy."

It is against that rubefacient background of his own fashioning that the Minister of Health has decided to reduce certain prices for standard drugs. His impositions are certainly uniting us shopkeeper/professionals against him, and it is refreshing to read that our Contractors' Committee is considering a changed approach to the Ministry. If the Minister continues his cheese-paring parsimony with the drugs we use, the cheapest quality that will satisfy B.P. or B.P.C. standards will soon be the rule for National Health dispensing; and many small pharmacies will be forced to close down unless some form of communal contract with the drug

houses can be worked out for the supply of best-quality drugs at tariff prices in small deliveries to any premises in an area.

Is it because I am partly a professional man that I feel so incensed to read "Pendennis" in a recent *Observer*?—

"University College Hospital on the other hand, have given up apothecaries' measures: they find 240 mils fit pretty well into an 8-oz. bottle. A doctor sending up an old-fashioned prescription gets it returned. The trouble is that when their doctors go outside they find chemists don't know what they're talking about."

and in *The Times*, June 5, "our special correspondent":

"Out-patients, from last week, have had to take their prescriptions—about 15,000 items a month—to chemists' shops, which is slower, more expensive and regarded medically as altogether less satisfactory than having them dispensed in the hospital."

"Mr. C. W. Peck, chief pharmacist at St. Thomas's, pointed out, as one example, that certain drugs that must now be ordered from outside instead of dispensed in the laboratory, will cost the hospital about £5,000 a year extra. Out-patients instead of getting their prescriptions made up at hospital rates, will go to retail chemists, whose charges are much higher."

"Apart from the question of expense it is not a good thing for patients to go trooping round from chemist to chemist with their prescriptions," said Mr. G. Bryan, chief pharmacist at the Middlesex. "They may be ordered something which the hospital is experienced at dispensing and be kept waiting by the chemist. Moreover, doctors regard it as a retrograde step, as they like to be sure patients do get what is prescribed for them and follow their treatment."

Who is giving this stuff to the Press? Mr. Peck and Mr. Bryan should certainly be asked to explain to the Ethical Committee their comments critical of other members of the Pharmaceutical Society.

Priced Goods

I know it is because I am a shopkeeper that I feel so strongly about the fact that medicines, cosmetic and toilet goods and preparations are so rarely priced by their manufacturers on the wrappers or containers. Nowadays small, easily removable price tabs are available, and there is no reason why a manufacturer should not mark a retail price on his goods. Most of the cosmetic houses do that with their Christmas lines. If it is a good policy then, it should be carried out for the rest of the year as well. Modern merchandising requires prices to be shown. At present, those of us who wish to profit from modern methods have to purchase and fix the price tabs ourselves and that is a costly item at the retail counter, which should be provided by the manufacturer in his factory. If retailers insist on having priced goods the manufacturers will eventually fall into line. Those who fall soonest into line will gain the most goodwill for making their goods easy to sell.

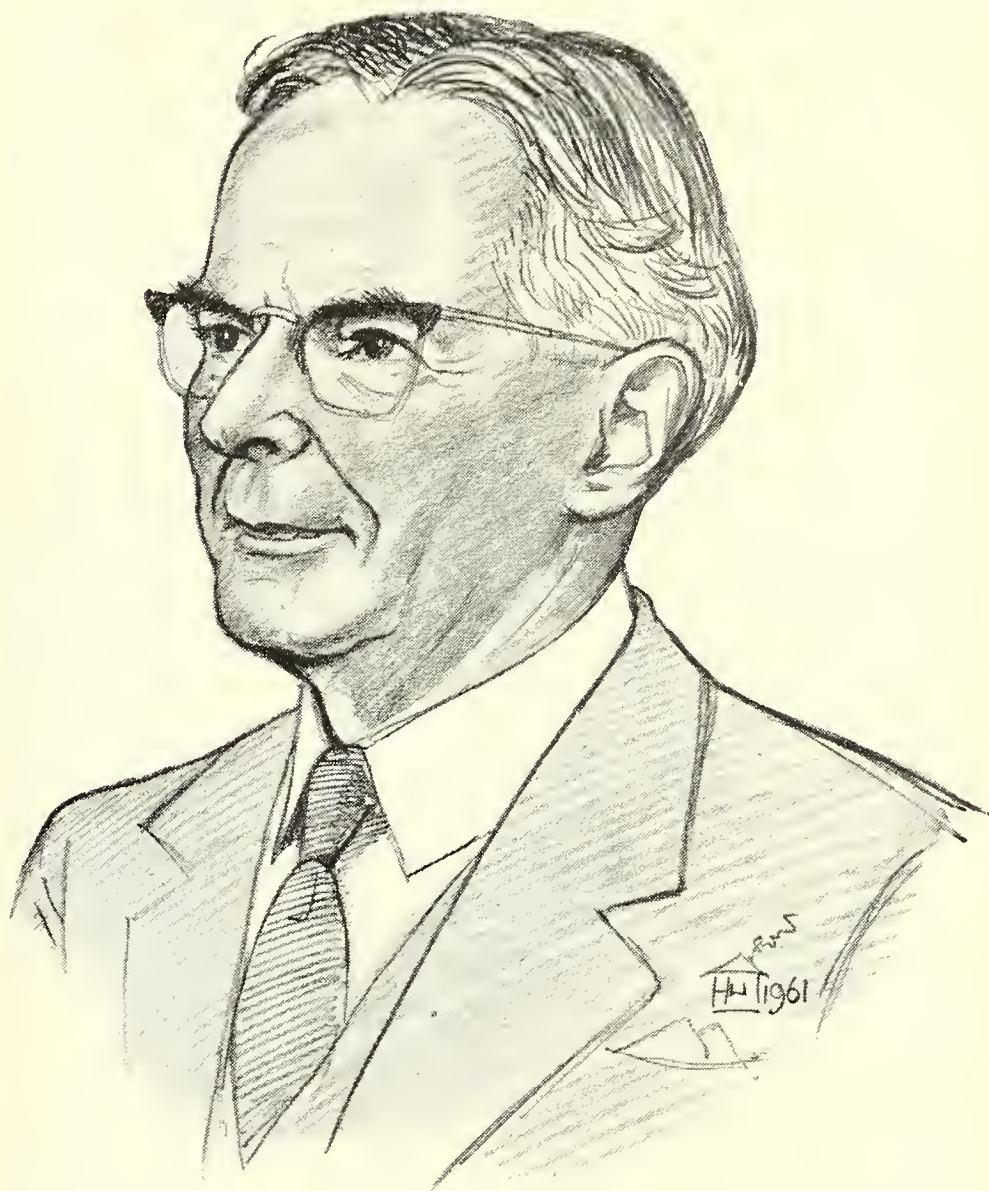
Another thing that retailers should no longer put up with is the growing habit of manufacturers to pay for window and counter displays of their goods not by cash or bonus goods but by some form of competition whereby one or two displays only are paid for but at a high rate as a prize, whereas the majority of the displays go unrewarded and the manufacturer gains a large amount of free publicity. In these days the space in my windows and on my counter is at a high premium—I have not room to show everything, and I expect to be paid for special displays of any items. The display bonus or discount is one way by which I can offset some of my increasing "overheads."

FIGURES IN THE PHARMACEUTICAL WORLD

To some it will come as a mild shock that Mr. W. J. Tristram is already celebrating his twenty-fifth year of membership of the Executive Committee of the National Pharmaceutical Union. Pharmacists of a young generation may well, on the contrary, have expected him soon to be celebrating his jubilee, so established and authoritative has been his status, and so considerable his influence, in pharmaceutical affairs during the years. In 1936, when he was elected unopposed to fill a vacancy caused by the death of Mr. W. H. Lubbock, he heralded a northern "land-slide" that was to bring on to the Executive a group of members most of whom were, like himself, to become pillars of the Council of the Pharmaceutical Society as well. Mr. Tristram can claim priority not only of date but perhaps also of distinction, for he gained added honour for himself and for pharmacy by becoming, in 1953-54, Lord Mayor of the City of Liverpool. Before achieving such eminence he had, of course, undergone a suitable probationary training in local pharmaceutical and civic affairs.

Mr. Tristram has only a residential qualification to be called a Liverpoolian. His father, a Methodist minister, was—like all ministers of that denomination—uprooted every three years or so to take charge of a church in another area. When the time came for W. J. to embark on a career the family was living in the West Riding of Yorkshire, and he became an apprentice at the pharmacy of J. W. Mainprize, Otley, in 1914. At the end of his "time" in 1917 his family home was in Liverpool, to which city he repaired. His Liverpool domicile was to give him an acquaintance with wholesale pharmacy, for he secured a post in the city in the order department of Evans Sons Lescher & Webb, Ltd. (now Evans Medical, Ltd.). He was also able to study part time (two evenings a week) at the Liverpool School of Pharmacy under Mr. H. Humphreys Jones. Later, a six-months' full-time course at the school was enough to see him through the "Minor" in July 1919.

His first post after qualifying came through an almost chance encounter with Mr. David Roberts, the proprietor of a pharmacy in West Derby Road. He joined Mr. Roberts at about the same time as his younger brother, H. C. Tristram, commenced an apprenticeship at the pharmacy of William Burgess, Ltd., Whitechapel, Liverpool. In 1920, during that apprenticeship, the proprietor died, and the business was acquired—with financial help from his father—by the elder brother, who thus became simultaneously the proprietor of the business and the apprentice-master of his younger brother. Though subsequently their paths were to diverge, it is noteworthy, that in the year 1943, the brothers were each the chairman of a branch of the Pharmaceutical Society—Mr. W. J. at Liverpool and Mr. H. C. at Birkenhead. His fourteen years of proprietorship were spent on developing and consolidating the business. By that time he was well enough established to launch out into local government affairs and contested, as a Liberal,



MR. W. J. TRISTRAM

to take a seat on the City Council. The seat was one that had been regarded as a Conservative stronghold and even as a family preserve. Yet once Mr. Tristram had wrested it from his opponents they left him for years in uncontested possession of it, a fact reflecting at once his doughtiness as an electioneer and the responsible and dignified manner in which he conducted himself when in office. Once on the Council he was immediately appointed to the Health Committee. In 1938, he was appointed to the Commission of Peace for the city of Liverpool. Six years later he was a city alderman, and, as mentioned, he was chief citizen in 1953-54.

To local pharmaceutical affairs Mr. Tristram's introduction had come as early as 1924, when he was elected to the Council of the Liverpool Chemists' Association. For four years he was secretary of the local National Pharmaceutical Union branch, and that served as his apprenticeship to work on the National Executive of the Union in 1936. In 1943 he was co-opted to the Council of the Pharmaceutical Society following the resignation of the late Mr. H. W. Wallis. At the time of his

co-optation he was chairman of the N.P.U. and held office as the president of the Liverpool Chemists' Association.

As a member of the guiding bodies of both trade and professional organisations, Mr. Tristram championed a high degree of unified action within the profession. It was a policy that at a crucial time in the negotiations over the establishment of the National Health Service was rejected by some of his N.P.U. colleagues, who insisted, no doubt wisely, on excluding any but contractor pharmacists from any part in the negotiations over contractors' remuneration. Mr. Tristram accepted the situation philosophically and without rancour and went on to earn and add lustre to the highest office in each national body. In successive re-elections to the Council of the Pharmaceutical Society Mr. Tristram has only twice fallen short of head-of-the-poll place, and even holds the record for highest vote. In the Council elections just held the confidence of members has again been demonstrated.

Mr. Tristram today gives the impression of being a much younger man than the record proves him to be. Perhaps

one of the things that keeps him young is his interest in sport. He was for a time a director of the South Liverpool football club but his strongest sporting interest is cricket. A keen follower of county and Test cricket, he is a member

of at least a dozen cricket clubs, mainly on Merseyside. Fell climbing is another of his interests.

When, in 1952, a dinner was held in his honour as president of the Pharmaceutical Society and an alderman of

Liverpool, one of his colleagues, Mr. I. Steinman, described him as "one of the outstanding personalities and diplomats in the world of pharmacy." Time only reinforces the appropriateness of this tribute.

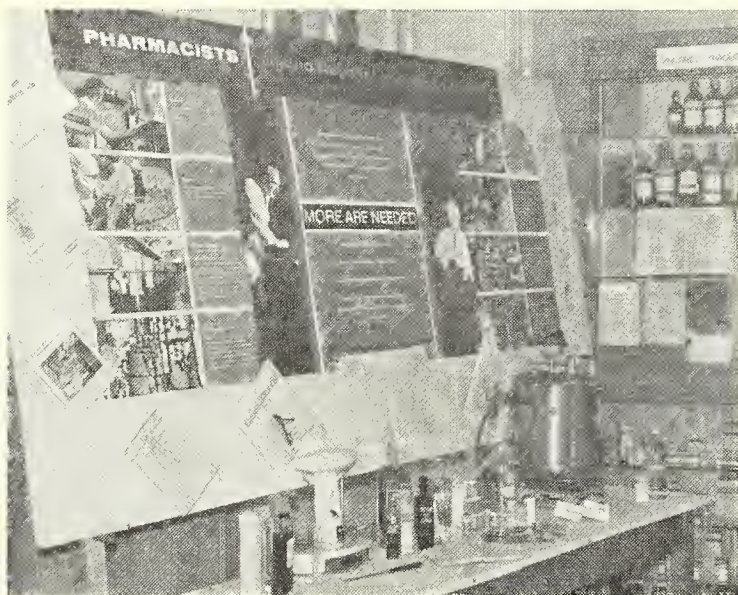
Commonwealth Technical Training Week

DISPLAYS IN LONDON, BELFAST, BRISTOL

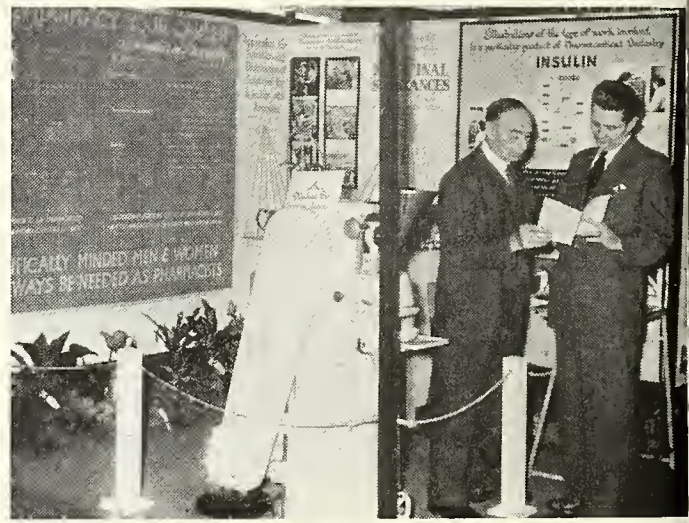
ONE of the central features of Commonwealth Technical Training Week was an exhibition at the Royal Exchange, London. Organised by the City and Guilds of London Institute, in co-operation with the City of London, City livery companies, and London

company or from other industrial concerns—about 10 per cent. of them from other Commonwealth countries. The company's products include industrial and medical gases, gas producing equipment, anaesthetic and analgesia apparatus and soda syphons.

cept one. "Here there is no lack of people who have proved themselves again and again to be equal to the best in brains and skill when they have the chance. . . . Action now may easily transform the industrial picture in Northern Ireland in the years ahead."



TRAINING IN PHARMACY: Left, one of a group of displays staged by the department of pharmacy, Bristol College of Technology. Below, an invitation to Northern Ireland youth to "Make pharmacy your career."



County Council, it set the technical training opportunities available in modern industry, commerce and the professions against historic apprenticeships in the ancient Guilds of the City. Between them they covered a wide field from baking to banking and from spectacle making to civil engineering.

One of the exhibits in the Guilds of London section was a case of surgical instruments usually to be seen at the Royal College of Surgeons. Examples of craftsmanship by apprentices in the British surgical instrument industry, they are winners of Souttar awards [inaugurated by Sir Henry S. Souttar, D.M., M.Ch., F.R.C.S., for the best piece of work produced by any apprentice in the industry during the last year of his training and include eyelid, mastoid and Gell's thyroid retractors, gouge forceps and an artery clamp]. The indentures of the apprentices are usually taken up with the Cutlers company, with which the Institute has a sixty-year association. An exhibit by the Founders' Company included a set of standard weights of the early nineteenth century. The company has been the originating authority for weights and measures since they were regularised in the fifteenth century and still reserves its rights, though the main authority today is the Weights and Measures Office. A stand at the exhibition was occupied by British Oxygen Co., Ltd., through whose training establishment at Edmonton every year pass 1,800 apprentices, whether of the com-

Northern Ireland

At the inauguration of Commonwealth Technical Training Week in Northern Ireland, the Duke of Edinburgh paid a tribute to the quality of Ulster workers. Northern Ireland, he said at a civic dinner in Belfast, lacked basic raw materials for industry—ex-

Lurgan, co. Armagh, the Duke opened a new £223,000 technical college. Northern Ireland, whose area is less than that of Yorkshire, has at present 16 technical schools and colleges, attended by more than 16,000 pupils. More than 1,500 students are working for degree or other advanced qualifications in technological subjects.

NORTHERN IRELAND HEALTH BOARD

May meeting in Belfast

THE necessity of giving adequate notice in applications regarding public holidays was stressed in the Executive Committee minutes presented to the May meeting of the Northern Ireland General Health Services Board in Belfast.

The committee reported that it had had before it a letter from three chemists stating that arrangements had been made locally to observe Whit Monday as an additional town holiday and seeking the Board's approval to the closure of their pharmacies. After consideration the Committee agreed that the attention of the chemists should be drawn to the necessity in any future application of giving adequate notice to the Board and that they should be informed that a service of at least an hour in the evening must be given by one shop if all three were to be closed during normal hours.

It was reported that, after the Board had gone into committee at the April meeting, Mr. W. H. Boyd had sugges-

ted that, in its next circular to doctors the Board should request contractors to refrain from telling patients the cost of drugs prescribed.

"Unaware of Retail Prices"

Dr. McVicker inquired if it would be possible to issue doctors a list of pharmaceutical substances costing less than 2s. each. The pharmaceutical officer pointed out that the Board was generally unaware of retail prices and would have great difficulty in compiling such a list.

Dr. Browne inquired if doctors could obtain helpful information from the National Assistance Board regarding the system adopted in assisting applicants. The ophthalmic officer pointed out that there was a form in use by opticians in England which showed the categories of persons eligible for National Assistance.

After discussion the Board agreed to seek further information from the Ministry and National Assistance Board.

DRUG ADDICTION COMMITTEE REPORT

No justification for more legislation

IRREGULARITIES in the prescribing of dangerous drugs were infrequent and would not justify further statutory controls was one of the conclusions of the interdepartmental Committee whose report, *Drug Addiction* (H.M. Stationery Office, price 1s. 3d.), was published on May 25. The Committee also states that although "the position may require careful watching . . . at the moment, we see no grounds for suggesting further statutory control over habit forming drugs" other than recommended in the interim report (see *C. & D.*, January 23, 1960, p. 79). The interdepartmental Committee (chairman, Sir Russell Brain) was appointed to review the advice given by the Departmental Committee on Morphine and Heroin Addiction in 1926 (the Rolleston Committee). Since that time pharmaceutical research had produced a number of new analgesic drugs many of which were capable of producing addiction, and there have been developments in the methods of treatment of drug addiction. The Committee decided that the incidence of addiction to dangerous drugs was very small. Although the Home Office figures might suggest an extension of addiction in Great Britain it was suggested that they reflected an intensified activity in its detection and recognition over the postwar period. The traffic in illicit supplies of dangerous drugs were almost negligible, cannabis excepted. This was mainly due to the attitude of the public and to the systematic enforcement of the Dangerous Drugs legislation. The other conclusions and recommendations were:—

While there was no registration of addicts, nor any official allocation of drugs to them on that basis, the Departmental arrangements ensured that nearly all addicts to dangerous drugs were known.

Addiction should be regarded as an expression of mental disorder, rather than a form of criminal behaviour.

Satisfactory treatment of addiction was possible only in suitable institutions, but compulsory commitment of an addict to such an institution was not desirable.

There was no advantage in abrupt withdrawal of a drug from a patient. Notes on treatment are given as a guide.

As the problem was small, the establishment of specialised institutions exclusively for the treatment of drug addiction was not practicable.

Long term supervision of addicts would best be undertaken at selected centres, at which facilities for research might be provided.

Continued support and guidance should be available locally when a patient leaves hospital.

Long term results of treatment of addiction appeared to be disappointing, but the information available was limited.

A system of registration of addicts would not be desirable or helpful.

It was doubtful whether a person who was unable to abandon a drug originally prescribed for a condition which still persisted should be described as an addict. It was accepted that such a person may be able to lead a reasonably satisfactory life on a small and regular dose of a narcotic drug but may be unable to do so if it be withdrawn.

The Home Secretary should not establish medical tribunals to investigate the grounds for recommending him to withdraw a doctor's authority to possess and supply dangerous drugs.

Irregularities in prescribing of dangerous drugs were infrequent and did not justify further statutory controls.

A doctor should obtain a second medical opinion before deciding to prescribe a dangerous drug for a lengthy period; and should give only a limited supply of a dangerous drug to a patient temporarily under his care in the absence of a letter from the patient's own doctor.

No advantage would arise from the use of distinctive prescription forms for dangerous drugs.

Student instruction on dangerous drugs was generally adequate; but over-emphasis on the dangers of addiction may discourage the use of

Information in Appendices

There are a number of appendices to the report which include the details given in the accompanying tables.

ESTIMATED QUANTITIES OF BARBITURATES PRESCRIBED ANNUALLY BY GENERAL PRACTITIONERS IN THE NATIONAL HEALTH SERVICE

Year	Thousand lbs.
1951	90
1953	81
1954	102
1955/6	108
1957	123
1959	162

ESTIMATED PRESCRIBING, BY GENERAL PRACTITIONERS IN THE NATIONAL HEALTH SERVICE, OF CERTAIN DRUGS AFFECTING THE CENTRAL NERVOUS SYSTEM

YEAR	PERCENTAGE OF TOTAL PRESCRIPTIONS			
	BARBITURATES	OTHER SEDATIVES AND HYPNOTICS	ANALGESICS AND ANTIPYRETICS	TOTAL
1957	7.01	3.17	10.16	20.43
1958	7.00	3.00	9.06	19.06
1959	6.65	2.80	9.38	18.83

NUMBERS OF KNOWN ADDICTS IN GREAT BRITAIN BELONGING TO MEDICAL, DENTAL, PHARMACEUTICAL AND VETERINARY PROFESSIONS, AND OF OTHER ADDICTS, BY SEXES

	1936	1950	1960
PROFESSIONAL*	147	48	68
NON-PROFESSIONAL			
MALE	166	54	131
NON-PROFESSIONAL			
FEMALE†	303	124	255
TOTALS	616	226	454

*Nearly all males.

†Includes addict nurses. The number of these for 1960 is 14.

FRANCO-BRITISH LECTURE TOUR

Address on biochemical aspects of pharmacology

UNDER the auspices of the Franco-British Pharmaceutical Commission two lecturers from France recently addressed meetings in Glasgow, Aberdeen and Edinburgh. They were Professor J. Ebel (professor of biological chemistry, Faculty of Pharmacy, University of Strasbourg) and M. G. R. F. le Guiner (scientific and technical director, Les Laboratoires Norgan, Paris).

M. le Guiner spoke to members of Glasgow Branch of the Pharmaceutical Society on "Recent Political Trends Affecting French Retail Pharmacy." At the Royal College of Science and Technology, Professor Ebel gave a lecture entitled "Biochemical Contributions to the Knowledge of Drug Action Mechanism".

Evolution of Pharmacology

Professor Ebel's lecture referred to the apparent over-emphasis on biochemistry in the French pharmaceutical student's syllabus. To explain that rather peculiar situation he said, "we must first look for historical reasons." Pharmacists had been the first, in France, to be interested in biochemistry. It was probable that the double function, chemical and biological, given to pharmacists, explained this; in other professions the studies were more specialised, either in chemistry only, or in pure biology.

The concept of a biochemical mode of action for drugs had only become clear relatively recently. "About 100 years ago, Claude Bernard in his lectures on toxic and medicament substances did call in, in some simple cases, physical phenomena, such as osmosis in the transport of liquids through

such drugs in cases where their need is paramount.

The essential features of the Home Office memorandum on Dangerous Drugs could be presented in a more readable form. It should be sent to all doctors in practice.

Further statutory powers to control new analgesic drugs were not needed at present. There was insufficient justification for withholding them from distribution until they had been approved by some central authority, but any drug likely to be addictive should be tested for this possibility at the instance of the manufacturers before release.

Cannabis had practically no therapeutic use, and its control was not a medical matter within the Committee's terms of reference.

capillary and urinary tubes, to explain the action of diuretic and purgative drugs. But in most cases, this famous biologist had to confess his ignorance and he called in rather unprecise 'dynamic' or 'vital' actions. Ehrlich, in 1905, proposed the concept of 'chemical receptors,' specific areas in a structure on which the drug should fix in order to be active. This theory was developed by Clark in Edinburgh. But the nature of these 'chemical receptors' for the drugs remained to be determined. Modern biochemical pharmacology taught us that these 'receptors' are nothing else but the 'active sites' of the enzymatic systems which regulate the cellular mechanisms."

Professor Ebel then outlined the biochemical functions of enzyme systems, and referred to apo-enzyme/co-enzyme reactions. If the "receptor" for the medicament substances was an enzyme, he said, "we can expect the drug either to activate or to inhibit the enzymatic action. It is not always possible, in the present state of our knowledge of biochemical pharmacology, to relate the actions of all drugs to the activation or the inactivation of enzymatic systems, but the examples of such precise correlations become more frequent."

With the aid of illustrations, the speaker then proceeded to classify drugs and biochemical secretions according to the nature of their actions on various enzyme processes: Firstly those acting as activators, then those that inhibited enzyme/co-enzyme reactions. He finally made reference to the process of competition of a synthetic drug with an enzymatic substrate—an effect utilised in cancer therapy.

ROYAL SOCIETY OF HEALTH

Congress and exhibition at Blackpool

THE Royal Society of Health held its sixty-eighth Congress at Blackpool in April. The Congress covered a wide range of subjects, ranging from safety in the home to the planning of hospital out-patient departments. Concurrently there was a health exhibition, not ideally sited, and with few pharmaceutical manufacturers exhibiting, though stands occupied by Glaxo Laboratories, Ltd., Imperial Chemical Industries, Ltd., May & Baker, Ltd., Reckitt & Sons, Ltd., Optrex, Ltd., and Westminster Laboratories, Ltd., had pharmaceutical products on display.

Executive Councils Section

The president of the Executive Councils Association (Mr. David Rhydderch) declared that the Executive Councils' domiciliary services were taken very much for granted by the general public. The spectacle of doctors tramping from one house to another was a depressing picture to be set against that of the white-coated consultant walking through hospital wards with the matron in full attendance. He made a sympathetic reference to the fact that pharmacists, often overwhelmed with a rush of prescriptions, and now further burdened with the duty of collecting 2s. on each, were still regarded by the public as "just another shop-keeper." It could not be doubted that the general medical, pharmaceutical, dental and ophthalmic services were the king-pins of the National Health Service and that they constituted the most extensive and best organised family health service in the world. He expressed the opinion that the Executive Councils are more democratic than other wings of the service, and told the Conference how foreign visitors to our country were always impressed by the immense amount of voluntary service performed by private individuals in social and health work. After eleven years' experience none could doubt that the service had succeeded in creating efficient corporate bodies, representative of wide interests. DR. R. J. PINSENT, Birmingham, urged the establishment of research departments within Executive Councils. He considered them the best equipped organisations to study epidemiology. DR. LEFT (a medical officer of health) urged an extension of health centres, which he said had never been given a proper trial. DR. E. V. KEINSBERG, Edinburgh, disagreed, claiming that "institutional" general practice would never be acceptable.

A paper entitled "The Shape of the National Health Service" was given by COLONEL W. F. BRACEWELL, T.D., LL.B. (chairman, Doncaster Executive Council, and a former president of the Executive Councils Association). He said that the present serious shortage of medical man-power in hospitals was concealed by the employment of Commonwealth doctors.

MR. C. R. D. BRADFIELD (chairman, London Executive Council) declared that the "shape" of the National Health Service needed amending. Dealing with the filling of medical-practice vacancies he urged that when a vacancy

occurred Executive Councils should take over surgery and house for the use of the incoming doctor. He said that the establishment of health centres would be too expensive. ALDERMAN T. BOWEN, Birmingham, in a stirring speech, argued that far too much of the cost of the health service now fell on local rates.

MISS PERKINS, Leicester, criticised Colonel Bracewell's paper on the

PHARMACEUTICAL SOCIETY'S MEETING

Members' comments on annual report and address

(Concluded from THE CHEMIST AND DRUGGIST, May 27, p. 551)

COMMENTING on the president's address and annual report, MR. K. HOLLAND said that there was little mention in the report of a public-relations-officer or organisation. Pharmacists had been scandalously treated through lack of public knowledge of their situation. It was their job to teach the public. It was very much up to the Council.

MR. G. J. HENDRA, Truro, said that the lack of progress by the Council in promoting the veterinary interests of pharmacists was somewhat noticeable. At the very least he asked the Council to inculcate into entrants into the professions that the veterinary side was a proper field for pharmacists. There was no emphasis on that in the booklet that had been produced.

MR. T. W. FISHER, Wakefield, said that two years previously he had raised the question of wise investment of the Society's funds. The president had assured him that an adviser was being consulted. From the financial summary it seemed that stock and share values had depreciated £3,000. On a rising stock market that seemed inexplicable, and he would like to know the reason. The Council should bear in mind the permission under the Trustees Investment Act shortly to come into effect to invest in equities as a means of increasing its funds.

MR. C. E. TURNER, Stoke, said the members of his Branch were interested in the suggestion of another man-power report. Would the terms of reference include unqualified assistants? He praised the Council for its statement to the interdepartmental working party on poisons legislation. All kinds of shops were increasing their stocks of pharmaceutical lines, and the distribution of medicines should be in the hands of pharmacists. The fight would be long and difficult, but one member had suggested that a levy of £1 per annum on members of the Society would enable an expert to be engaged of the calibre of the new chairman of British Railways.

MR. D. J. GIBSON, Greenwich, regretted that the alterations at Bloomsbury Square included no provision for examining entrants. Pharmacists had been mentioned as advisers to the doctor on pharmacology. Why not on toxicology too? Pharmacists could become the first experts on radioactivity monitoring. He thought that one of the functions of the Department of Pharmaceutical Sciences should be to "vet" statements in the Index to New

grounds that it made no reference to pharmaceutical services. She asked how it was that the drug cost was always the first to be attacked. Did not the authorities realise that the use of expensive drugs in general practice was in fact, a great economy in hospital costs? COLONEL BRACEWELL said that his original paper had included a reference to pharmaceutical services, but had been cut by the printer because of lack of space in the circulated papers. The question of drug costs was considered too controversial a subject for discussion at that Congress.

Products. If there were any increase in the retention fee it should be on the premises rather than the personal retention fee.

MR. C. H. PRESTON ROBINSON, Mansfield, said that the ending of National Service gave an opportunity for a comprehensive review of the pharmaceutical services in the Forces. It was not enough to have a pharmacist in every service hospital. Pharmacists should be available as advisers to doctors wherever in the Armed Forces those doctors were functioning. He was pleased to note progress in public relations, but it was primarily in Parliament that protests should have priority. He would like the Parliamentary Fund strengthened and subsidies available to members of Parliament who would interest themselves in Parliamentary affairs.

Replying to the points raised, THE PRESIDENT said there was no simple answer to the problem raised by Mr. Hendra. The opportunity for effective action had not yet come. To Mr. Fisher he said that reinvestment of the funds from "gilt-edged" securities to equities was going on. All the shares had been transferred to a pool and were shown at market value at the end of 1959. Previously they had been put in at cost. The man-power inquiry, he told Mr. Turner, was a joint exercise of which the details were not yet available. To have provided facilities for examinations at No. 17 would have left less room for staff. The aim was examination of students in their own schools. Toxicology was regarded as included in the subject of pharmacology. All claims made in the Index of New Remedies were scrutinised by pharmacists and pharmacologists before publication. In considering the amount of retention fees the Council had always felt that the major proportion of any increase should fall on members, not on possibly non-pharmacist owners of companies. He reminded Mr. Robinson that National Service had not yet ended. The report went only to the end of 1960. The Parliamentary Fund was always available for pharmacists contesting Parliamentary seats and he thought it should be kept for that purpose. "To have non-pharmacists representing us in Parliament could be even more disastrous than anything we have had so far."

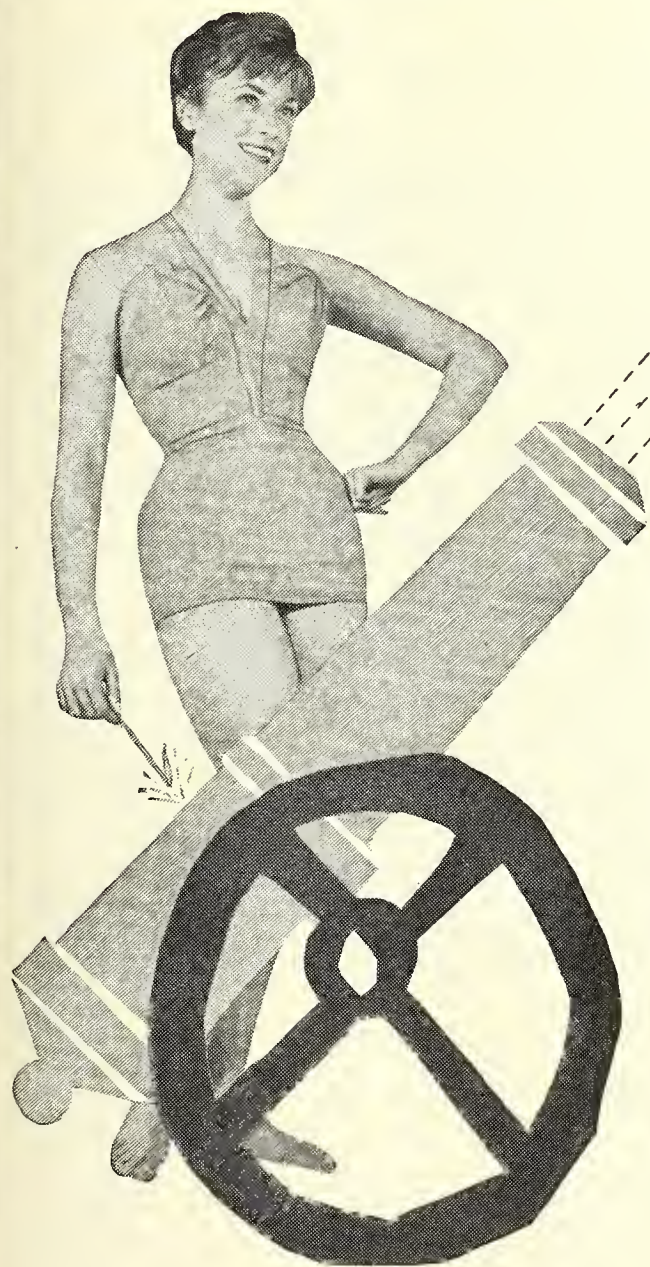
The members approved the report without a dissentient vote, and the meeting closed with a vote of thanks to the president for his conduct of it.

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Bemax is specially suitable for patients of all ages on restricted diets. Bemax is pure stabilized wheat germ — nature's richest Vitamin-protein-mineral supplement. Bemax is also a valuable dietary supplement during pregnancy and lactation.

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a combination of the essential vitamins A, B₁, C and D₂ in a palatable orange flavoured base. Basic price to N.H.S. 6 fl. ozs. 2/6 40 fl. ozs. 16/-.



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TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, JUNE 7: Some of the American BOTANICALS which have been scarce and firm since the small crops of 1960 were collected, are now displaying an easier tone.

CASCARA was down by 25s. per cwt. during the week and the new crop at origin was lower by 20s. Spot quotations for CHERRY BARK at 2s. per lb. or the thin natural were ninepence under the scarcity value ruling recently. Ceylon PAPAIN continued firm because of the crop failure but Tanganyikan remained steady at former levels possibly because Congo material was freely available at competitive prices.

BELLADONNA ROOT and Anatolian LIQUORICE were again on offer after an absence of many months. Among prices most items were substantially unaltered on the week, however, forward prices for PIMENTO showed their seasonal price cut from that operating since last October. The movement is a regular feature about this time of year and is made to help the sale of new crop material. The current disturbances on the isle of Zanzibar have not so far caused any alteration in the price of CLOVES. There were no firm c.i.f. offers of IPECACUANHA from Costa Rica or Nicaragua. SENNA supplies are now getting rather short and holders were asking fractionally higher prices. STYRAX was reduced 1s. 3d. per lb. on the spot upon lower offers from origin.

ESSENTIAL OILS were substantially unaltered but exceptions included lower c.i.f. offers for Formosan CITRONELLA (down one penny per lb.) and Brazilian PEPPERMINT (down threepence).

It was announced that the Spanish Government is to launch an advertising campaign in the United Kingdom for Spanish OLIVE OIL during the summer months.

Revised prices were announced for GLYCERIN, B.P. and technical grades, effective June 5. In general the new rates mean a reduction of upwards of £18 10s. per ton according to quantity. The cause of the reduction is attributable to lower rates for imported crude material.

HYDROQUINONE and COUMARIN were reduced by sixpence or one shilling per lb. according to quantity ordered.

Pharmaceutical Chemicals

ACETIC ACID. — B.P. glacial, minimum terms, £97 per ton naked; technical 80 per cent., £77; pure, 80 per cent., £83. Carboys and demijohns are £21 per ton extra.

ADRENALINE. — (Per gm.). Synthetic B.P. 1-kilo lots, 11d.; 500 gm., is 1s. 1d. ACID TARTRATE, B.P., 1 kilo, 7½d.; 500 gm. 9d.

ALUMINIUM ACETATE.—B.P.C. in 1-cwt. sacks, 1s. 9d. per lb.

AMIDOPYRIN. — Minimum rate, 20s. 1d. per lb. with usual differentials for smalls.

CALAMINE.—5-cwt. lots, 1s. 10d. per lb.; 1-ton, 1s. 8½d.

COUMARIN.—In under 28-lots, 19s. per lb., under 1-cwt., 18s. 6d. per lb.

DICOPHANE (D.D.T.). — One - cwt., 2s. 11½d. per lb.; 1 ton, 2s. 8½d. per lb.

GLYCERIN.—Chemically pure B.P. (s.g. 1.2627):—

	Over 25 tons	5 tons and under 25 tons	1 ton and under 5 tons	Under 1 ton
TANK WAGONS	s. d.	s. d.	s. d.	s. d.
10-14 tons	216 0	—	—	—
5-10 tons	217 6	219 6	—	—
DRUMS				
10 cwt.	220 0	222 0	225 0	231 0
5 cwt.	220 0	222 0	225 0	231 0
2½ cwt.	222 6	224 6	227 6	233 6
1 cwt.	224 0	226 0	229 0	235 0
TINS				
56 lb.	239 6	241 6	246 6	255 0
28 lb.	245 0	247 0	252 0	260 0
14 lb.	251 0	253 0	258 0	266 6

Delivery of less than 1 cwt. charged 7s. 6d. extra. Drugs charged and returnable. Technical grade glycerin s.g. 1.2627 is 5s. per cwt. less than above.

HYDROQUINONE. — One-cwt. lots, 10s.; 1-ton, 8s. 6d. per lb.

MAGNESIUM CARBONATE. — Per cwt. LIGHT, 129s. or 121s. for 1-ton lots; HEAVY, 170s. for 1-cwt. lots; from 130s. to 135s. for 1-ton lots.

MAGNESIUM CHLORIDE. — One-cwt. 1s. 10d. per lb., 5-cwt., 1s. 7d.

MAGNESIUM DIHYDROGEN PHOSPHATE.—One-cwt. drums, 4s. per lb.

MAGNESIUM HYDROXIDE.—B.P.C., 1-cwt. lots, 3s. 7d. per lb.; 1-ton, 3s. 2d. per lb.

MAGNESIUM OXIDE, B.P.—LIGHT, 1-cwt. lots, 3s. 2d. per lb.; HEAVY, 5s. 10d. per lb.

MAGNESIUM PEROXIDE.—B.P.C. (15 per cent.), 3s. 11d. per lb. (1-cwt.).

MAGNESIUM PHOSPHATE TRIBASIC.—One-cwt. sacks, 4s. 5d. per lb.

MAGNESIUM SULPHATE. — B.P. in minimum 1-ton lots varies between £19 5s. and £21 per ton according to size of crystal and manufacturer. Exsiccated, £42 per ton. All ex works.

MAGNESIUM TRISILICATE.—(Per lb.). In 28-lb. packages:—28-lb., 4s. 9½d.; 1-cwt. 3s. 10d.; 5-cwt., 3s. 7d.; 1-ton, 3s. 1d.

MANDELIC ACID.—One-cwt. lots, 12s. 6d. per lb. CALCIUM SALT also 12s. 6d. SODIUM MANDELATE, 13s. and AMMONIUM MANDELATE 50 per cent. solution, 7s. 6d.

METHOIN.—B.P., 120s. per lb.

PARACETAMOL. — Minimum 10-cwt., 11s. per lb.

PARAFFINS. — Prices to wholesale distributors are:— *Liquid*: HEAVY, B.P., £107 per ton; LIGHT, B.P., £88 17s. 6d.; *Technical White oils*, £80 7s. 6d. for the LIGHT and £93 17s. 6d. for the MEDIUM. All in 40-50 gall. returnable loaned drums, delivered U.K. *Soft*: Best grades WHITE, medium consistency, £116 15s. per ton and soft consistency, £113 7s. 6d. Yellow, 94s. 10s. Other grades (all B.P.) at £95, £100 10s., £106 per ton for white and at £74 17s. 6d. for yellow. All in non-returnable drums delivered.

PHOSPHORIC ACIDS. — B.P. (s.g. 1.750) is from 1s. 4d. to 1s. 8d. per lb. as to quantity. B.P. 1914, 1s. 2d. to 1s. 6d. per lb. HYPOPHOSPHOROUS, B.P.C., in winchesters is from 7s. 5d. to 8s. 6d. per lb. as to quantity; drums, 7s. per lb.; 50 per cent. acid in drums, 8s. 9d. per lb.

POTASH SULPHURATED. — Lump, B.P.C., 2s. 9d. per lb. in 1-cwt. lots.

POTASSIUM ACETATE. — (Per lb.) 1-cwt. lots, 3s.; 5-cwt., 2s. 8d.; 10-cwt., 2s. 6d.

POTASSIUM BICARBONATE.—B.P. powder, 110s. per cwt. 1-4-cwt. lots and 105s. per cwt. for 5-cwt. and over.

POTASSIUM BROMATE. — In 5-cwt. lots, 5s. 3d. per lb.

POTASSIUM CARBONATE.—One-cwt. kegs, 2s. 3d. per lb.

POTASSIUM CHLORATE.—One-cwt. cases, 2s. 6d. per lb.

POTASSIUM CHLORIDE. — In 1-cwt. lots, B.P., 1s. 6d. per lb.

POTASSIUM HYDROXIDE.—B.P. sticks are from 6s. 8d. per lb. and pellets, 4s. 6d.; technical flake, 1s. 10d.

POTASSIUM 8-HYDROXYQUINOLINE SULPHATE. — 1 kilo is 47s. 1d. and 50 kilos, 44s. per kilo.

POTASSIUM METABISULPHITE. — One-cwt. kegs, 170s.

POTASSIUM NITRATE. — Pharmacopœial quality, 100s. per cwt. (crystals or powder) in 1-cwt. lots.

POTASSIUM QUADROXALATE. — One-cwt., 3s. 6d. per lb.

POTASSIUM SULPHATE. — B.P. 1949, one-cwt. lots, 1s. 2d. per lb.

POTASSIUM THIOCYANATE. — One-cwt., 5s. 6d. per lb.

SODIUM ACETATE. — B.P.C., one cwt., 2s. 1d. per lb.

SODIUM ACID PHOSPHATE.—B.P.C., one-cwt. kegs, 2s. 9d. per lb.

SODIUM BENZOATE.—One-ton lots, 2s. 7½d. per lb.; 1-cwt., 2s. 9½d.

SODIUM BICARBONATE.—B.P., 55s. per cwt.; 1 ton, 50s. cwt.

SODIUM BROMATE. — One-cwt., 9s. 9d. per lb.

SODIUM CARBONATE.—B.P.C. exsiccated, 70s. per cwt.; 5-cwt., 65s. per cwt.

SODIUM CHLORIDE.—B.P., 37s. 4d. per cwt. in sacks.

SODIUM FLUORIDE.—B.P.C. 1934, one-cwt. kegs, 3s. 6d. per lb.

SODIUM HYDROXIDE. — FLAKE 1-cwt. drums, 55s. cwt.; STICKS, 14-lb. tins, 115s.

SODIUM METABISULPHITE. — Granular, 1-cwt. lots, ninepence per lb.

SODIUM NITRITE.—B.P.C. One-cwt. kegs, 2s. 7d. per lb.

SODIUM PERBORATE. — (Per ton) £145 15s. in 1-cwt. kegs; £138 5s. in 1-cwt. bags for B.P.C. (minimum 10 per cent. available oxygen). PERBORATE MONOHYDRATE testing 15 per cent. available oxygen is £309 15s.; TETRAHYDRATE, from £131 15s. to £139 5s. per ton as to packing.

SODIUM PERCARBONATE. — (Per cwt.) 170s. 9d. (bags, 7s. 6d. lower) for minimum 12½ per cent. available oxygen.

SODIUM SALICYLATE. — One-ton lots in bulk, 3s. 9d. per lb.; 5-cwt., 3s. 10d.; 1-cwt., 4s.

SODIUM SULPHATE.—B.P. from £12 10s. to £21 per ton as to crystal, quantity and packing, ex works. B.P. exsiccated, £54 per ton.

SODIUM SULPHIDE.—In 1-ton lots: Solid, £38 2s. 6d.; broken, £39 2s. 6d.; flake, £40 12s. 6d.; crystals, £29 10s.

TERPINEOL. — B.P., 1-cwt. lots, 2s. 7d.; perfumers, 3s. 3d. per lb.

THEOPHYLLINE.—12½-kilo lots: ALKALOID ANHYDROUS, 33s. per kilo and B.P., 32s. 6d.; AMINOPHYLLINE, 30s. per kilo; 12½ kilos, 31s. per kilo.

THIOUREA.—Technical grade, 1-cwt. lots, 3s. 1½d. per lb.; 10 cwt., 2s. 9½d. per lb.

THYMOL. — One-cwt. lots, 14s. 9d. per lb.

Crude Drugs

ACONITE. — Spot: Spanish *napellus*, 2s. 6d. per lb.

AGAR. — Kobé No. 1, 14s. 9d. per lb. in bond; shipment, 14s. 3d., c.i.f.

ALOE. — Cape primes, spot, 175s. per cwt.; shipment, 155s., c.i.f. Curaçao, spot, 480s.; shipment, 440s., c.i.f.

BALSAMS. — Per lb.: CANADA: Spot, 22s. for paper-filtered. COPAIBA: Spot, 8s. duty paid. PERU: Spot, 8s. 9d. in bond. TOLU (genuine as imported) nominal; B.P., from 12s. 3d. to 17s. 9d. as to analysis.

BELLADONNA. — LEAVES, 1s. 9d. per lb., spot. Dutch for shipment (t.a. not quoted) 2s., c.i.f. ROOT, 0.65 per cent., 1s. 9d. per lb., spot.

CALABAR BEANS. — Spot, 2s. 3d. per lb.

CALAMUS. — Root, 100s. per cwt., spot. 87s. 6d., c.i.f.

CASCARA. — Spot, 1960 peel, 250s. per cwt., shipment, 1961 peel, 210s., c.i.f.

CASSIA. — *Fistula*, 105s. per cwt.; *lignea* (whole), spot 420s., duty paid.

CHAMOMILE. — Belgian, 6s. 6d. to 7s. 6d. per lb. as to quality; Hungarian type, 6s. 6d.

CHERRY BARK. — Thin natural, 2s. per lb.

CINNAMON QUILLS. — Shipment (c.i.f., per lb.) 4 O's, 5s. 4d.; 3 O's, 5s. 0½d.; O, 4s. 8½d.; quillings, 3s. 3½d.; featherings, 1s. 6½d.

CLOVES. — Zanzibar spot, 2s. 10d. per lb.; shipment, 2s. 7½d., c.i.f.

COCHINEAL. — Black-brilliant, 11s. 6d. per lb., silver-grey 10s., spot; Peruvian silver-grey, 4s. 6d.

COCILLANA. — Bark, 2s. per lb., spot; 1s. 8d., c.i.f.

COLOCYNT PULP. — Spot, 2s. to 2s. 6d. per lb. as to quality.

DIGITALIS. — *Purpurea* for shipment, old crop, 11d.; new crop, 2s. 4d. per lb., c.i.f.

ELEMI. — Spot, 2s. 1d. per lb. Shipment, 1s. 11d., c.i.f.

ERGOT. — Portuguese 7s. 9d. per lb., c.i.f., for prompt shipment; spot, 8s.

GINGER. — African, spot, 175s.; new crop for shipment, 165s. per cwt., c.i.f. Jamaican No. 3, spot, 220s.; shipment, 205s., c.i.f. Cochín, shipment, 122s. 6d., c.i.f.; spot, 135s. (per-cwt.).

GUM ACACIA. — Kordofan cleaned sorts, 145s. per cwt., spot; new crop, June-July shipment, 125s., c.i.f.

HONEY. — Australian light amber, 102s. 6d. to 107s. 6d. per cwt. and medium amber, 96s. to 98s. Argentine, 110s.; Jamaican, 115s. to 120s.; Canadian clover, 145s. to 150s., all ex warehouse.

IPECACUANHA. — For shipment, c.i.f., per lb. — Costa Rican and Nicaraguan, 65s., nominal; Matto Grosso, 50s. 6d.; Colombian, 49s. 6d. to 53s. Spot: Matto Grosso, 53s. 6d.; Colombian, 54s.

JUNIPER BERRIES. — Italian, 100s. per cwt.; German, 120s.

KOLA NUTS. — Jamaican for shipment, 7d. per lb., c.i.f. African, 5½d. spot and 4d., c.i.f.

LANOLIN. — ANHYDROUS B.P., is from 170s. to 175s. per cwt. in 1-ton lots and HYDROUS B.P., 150s., free drums, delivered.

LIQUORICE. — Natural root: Persian on the spot, 40s. per cwt.; Anatolian, 60s. Block juice: Anatolian from 190s. per cwt.; Italian stick from 392s. to 470s. per cwt.

LYCOPodium. — Indian 15s. per lb., spot. Russian not quoted.

MENTHOL. — Chinese: spot, 82s. per lb., duty paid; shipment, 72s. 6d., c.i.f. Brazilian, 47s. 6d., in bond; shipment, 45s., c.i.f. Formosan, 50s., in bond; shipment, 46s., c.i.f., June-July.

NUTMEGS. — West Indian 80's 12s. per lb., spot: sound unassorted, 8s. 9d.; defectives, 6s. 6d.

ORANGE PEEL. — Spot: Sweet ribbon 1s. 10d. per lb.; bitter quarters: West Indian 11d.; Spanish, 1s. 3d.; bitter ribbon, 1s. 3d.

PAPAIN. — Tanganyikan, 14s. 6d. per lb., c.i.f., for grade one; spot 15s. Congo, 12s. 6d., c.i.f. Ceylon brown, 15s., c.i.f.

PEPPER. — White Sarawak, spot, 4s. per lb.; shipment, 3s. 9d., c.i.f. Black Sarawak, spot, 3s. 4d.; shipment, 3s. 2d., c.i.f. Black Malabar, 400s. per cwt. spot, and 375s., c.i.f.

PEPPERMINT. — Dutch whole leaves, 3s. per lb., c.i.f.

PIMENTO. — Spot, 560s. cwt.; shipment, 500s., f.o.b.

PODOPHYLLUM. — *Emodi* nominal; *Peltatum*, 435s. per cwt.

PYRETHRUM. — Extract, minimum 25 per cent. w/w pyrethrins, 75s. per lb. for small lots.

QUILLAIA. — Shipment, nominal value, 175s. per cwt., c.i.f.

RHUBARB. — Chinese small rounds from 5s. 6d. to 6s. 9d. per lb. on the spot.

SAFFRON. — Mancha selecta, 147s. 6d. per lb.

SARSAPARILLA. — Jamaican native red spot, 2s. 6d. per lb.; shipment, 2s. 2d., c.i.f.

SEEDS. — (Per cwt.). ANISE. — Spanish, 215s., duty paid. CARAWAY. — Dutch quoted at 145s., duty paid. CELERY. — Indian firm at 155s. spot; new crop for June-July shipment, 142s. 6d. to 145s., c.i.f., paid. CORIANDER. — Moroccan, 125s., spot, duty paid; new crop for July-August shipment, 92s. 6d., c.i.f., quoted. CUMIN. — Indian, 175s. spot; Iranian 165s., duty paid. DILL. — Indian, 100s. spot; shipment, 85s., c.i.f. FENNEL. — Chinese, 105s., duty paid; Indian, 105s., spot. FENUGREEK. — Moroccan, 75s., duty paid; new crop, June-July shipment, 62s., c.i.f. MUSTARD. — English, 55s. to 87s. 6d.

SENEGA. — Spot, 20s. 6d. per lb.

SENNA. — *Tinnevely* LEAVES, prime No. 1 cleared; f.a.q. No. 3, 10½d. PODS: manufacturing (f.a.q.), 11d. and hand-picked, 1s. 6d. to 1s. 10d. *Alexandria* pods: Manufacturing, 1s. 6d.; hand-picked, 4s. 6d. to 5s. 6d.

SHELLAC. — F.O.T.N., 200s. per cwt.; No. 1, 220s.; F.O., 235s. to 285s. spot.

SLIPPERY ELM. — Bark, 3s. 6d. lb. landed value.

SQUILL. — White 75s. to 85s. per cwt. spot, as to holder.

STRAMONIUM. — Indian LEAVES 60s. per cwt., spot. Dutch 0.5 per cent. alkaloid, 93s., c.i.f.

STYRAX. — Spot, 25s. 9d. per lb., shipment, 24s., c.i.f.

TONQUIN BEANS. — Para spot, 6s. 1½d. per lb. Shipment nominal. Angostura 11s.

TRAGACANTH. — No. 1 ribbon, £145 to £150 per cwt. No. 2, £135 to £140.

TURMERIC. — Madras finger on spot 115s. per cwt.; shipment unchanged at 105s., c.i.f.

VALERIAN ROOT. — Spot: Belgian, whole (max. 2½ per cent. sand) for prompt shipment, 145s., c.i.f. Dutch old crop cleared.

VANILLIN. — Rates (per lb.) are now: — 5-cwt. lots, 22s. 3d.; 1-cwt., 22s. 6d.; 56-lb., 22s. 9d.; small quantities, 23s.

WAXES. — (Per cwt.). BEES. — Dar-es-Salaam, spot, 465s.; shipment, 440s., c.i.f. Abyssinian, 390s. in bond; shipment 370s., c.i.f. Sudanese, spot, 410s. nominal; shipment, 360s., c.i.f. CANDELILLA, spot, 465s. CARNAUBA, fatty grey, spot, 442s. 6d.; shipment, 425s., c.i.f.; prime yellow, spot, 700s. quoted; shipment, 630s., c.i.f.

WITCH HAZEL LEAVES. — New crop not yet offering.

Essential and Expressed Oils

ARACHIS. — Spot, 2-5-ton lots naked mill, £153 per ton.

CAMPHOR, WHITE. — Chinese, 1s. 6d. lb. in bond; 1s. 5d., c.i.f.

CANANGA. — Spot, from 37s. 6d. per lb.

CARAWAY. — Imported oil, 33s. 6d. per lb.

CARDAMOM. — From 330s. per lb. English-distilled and 260s. for imported

CASSIA. — Short with prices nominal.

CASTOR. — Home produced B.P. oil, spot, £160 per ton naked ex mill (2-ton lots)

CELERY SEED. — Dutch oil, 90s. per and Chinese, 65s.

CHAMOMILE. — Smalls 800s. per lb.

CINNAMON. — From quillings, best English-distilled is 50s. per oz.; other B.P. from 165s. per lb. Ceylon leaf, spot, 9s. 6d. per lb.; Seychelles, 7s., spot.

CITRONELLA. — Ceylon, spot, 6s. 6d. shipment, 6s. 2d. per lb., c.i.f. Formosa, spot, 6s. 9d., in bond; shipment, 6s. 4d., c.i.f.

CORIANDER. — B.P. oil, 52s. 6d. per spot.

CUBEB. — Small spot supplies of imported are 65s. per lb.; English, 90s.

EUCALYPTUS. — Spanish, 3s. to 3s. 6d. per lb. spot. Chinese, 3s. 3d., all duty paid.

FENNEL. — Spanish sweet, spot, 10s. per lb.

GERANIUM. — Bourbon, 120s. to 130s. lb. on the spot; Algerian, 120s. to 125s.

LEMON. — Californian cold-pressed from 15s. 6d. per lb., spot; Sicilian, about 2

LEMONGRASS. — Spot, 17s. per lb., shipment, 14s. 9d., c.i.f.

LIME. — West Indian distilled, 50s. per lb. on the spot.

ORANGE. — Spot quotations of sweet include Floridan at 3s. 6d. per lb.; West Indian, 3s. 6d.; Israeli, 7s. 6d., nominal; Californian, 5s. 3d. to 7s. 6d.

PATCHOULI. — Penang is 40s., duty paid and 35s., c.i.f., per lb.

PENNYROYAL. — Spot is firm at 15s. per lb., duty paid.

PEPPERMINT. — *Arvensis*: Chinese spot, 38s. 6d.; shipment, 35s., c.i.f. Brazilian, spot, 16s.; June-July shipment, 15s., c.i.f. *Piperita*: Italian, 48s. per lb., spot. American from 30s. to 38s. per lb. as to make.

PIMENTO. — English-distilled best 167s. 6d. per lb.; imported, 80s. Rectified leaf, 27s. 6d. per lb. for small lots.

PINE. — *Punilionis* on the spot is 1s. per lb.; *sylvestris*, 5s.; Siberian (*abietis*) 15s.

ROSEMARY. — Spanish is 7s. 6d. per lb. on the spot for best quality.

RUE. — Spanish is 25s. per lb. spot.

SAGE. — Spanish, 8s. per lb., Dalmatian 23s.

SANDALWOOD. — Mysore 155s. to 160s. per lb. East Indian 152s. 6d. to 155s.

SASSAFRAS. — Brazilian is from 3s. 6d. per lb., duty paid.

SPEARMINT. — American oil on the spot 30s. per lb.

TANGERINE. — From 33s. per lb. as to quality.

UNITED STATES REPORT

NEW YORK, JUNE 6: Because of higher shipping costs ASAFOETIDA moved up about two to five cents to 35-40 cents per lb. In ESSENTIAL OILS GERANIUM was reported to be somewhat softer. The African and Algerian grades were down 50 cents to \$21.50 and Bourbon material declined by \$2 lb. to \$19. LEMON however advanced with the range now at 60-65 cents lb. on shortage and poor weather conditions for the fruit.

WORLD TRADE

Brazil's Chemical Imports.—Brazil imported chemicals and pharmaceuticals to the value of U.S. \$139,200,000, or 9½ per cent. of total imports in 1960 compared with \$117 millions (8½ per cent.) in 1959.

Swiss Aid for Under-developed Countries.—The Swiss Government in a message to Parliament on May 5 requested a 60-million franc credit for technical assistance to under-developed countries during the next few years. It was the biggest single sum so far proposed by Switzerland for helping under-developed countries. The Government proposed to send Swiss technical missions to those countries which would also be invited to send people to Switzerland for technical training.

Latin American Free Trade Association.—The Latin American Free Trade Association will formally come into existence on June 2. Experts working on the project are said to be reluctant to state when actual operation is likely to begin but it is assumed this will be late in the current year. The goal consists in an 8 per cent. annual reduction of all sums paid as tariffs from one country to another although each member remains free to apply reductions to suit its best interests.

New Zealand to Spread Licences.—The Government of New Zealand intended to spread 1961 import licences over a period longer than a year in an effort to curb overseas spending. Mr. Roger Marshall (Minister of Customs) said on May 9. In the last twelve months, New Zealand imported about 50 millions worth of goods more than was earned in overseas funds, said Mr. Marshall, and added that the Government believed it would be less disruptive to spread the licences than to withdraw licences already issued and force importers to break contracts as was done in 1958.

Morocco Seeking a Drug Industry.—Morocco, the latest country to embark on an ambitious five-year plan to increase its standard of living, is seeking the help of other nations to establish new industries, among them a chemical and pharmaceutical industry. Members of a British delegation who recently visited the country as guests of the Moroccan Government were told at a dinner in London on May 24 by the Moroccan Ambassador that his Government would welcome any offer which would promote trade between the two countries. New industries established in the country within the five-year plan could be on a fifty-fifty basis. Mr. W. Monslow (Member of Parliament, Barrow-in-Furness) said there was a need for a chemical and pharmaceutical industry (among others) and there were indigenous raw materials that could be exploited to the mutual advantage of both countries. At the moment 85 per cent. of the country's economy was dependent on agriculture.

One of the ways in which British businessmen could help the country was to offer long-term credit facilities. Sponsor of the dinner, which was held at the House of Commons, was Mr. Hilary Marquand, M.P., a former Minister of Health.

PRINT AND PUBLICITY

PUBLICATIONS

Booklets and Leaflets

ARMOUR HESS CHEMICALS, LTD., 6 Arlington Street, London, S.W.1: "Industry and Us" (folder).

HAWTHORN BAKER, LTD., Dunstable, Beds: Cornerstone precision printing equipment. Leaflet.

IMPERIAL CHEMICAL INDUSTRIES, LTD., Millbank, London, S.W.1: Topane . . . for preserving timber, the complete preservative for textiles and ropes (folders); toxicology, handling, storage and determination in treated materials, of Topane + and Topane WS. Pp. 12.

KODAK, LTD., Kingsway, London, W.C.2: Tri-X pan professional rollfilm—new emulsion, numbered frames, special packs. Folder; Kodak photographic papers, Kodak negative materials (black-and-white) and developers. Wall charts; Kodak dealers trade circular, No. 5, May. Pp. 10.

MURGATROYD'S SALT & CHEMICAL CO., LTD., Elworth, Sandbach, Ches: "Caustic Soda." Information for those concerned with its purchase, storage, handling and use; also deals with equipment and safety precautions. Pp. 56.

Periodicals

CIBA LABORATORIES, LTD., Horsham, Sussex: *CIBA Journal*. No. 17. Spring 1961. Pp. 58.

E.I. DU PONT DE NEMOURS & Co., Wilmington, Delaware, U.S.A.: *Dupont Magazine*. January/February. Pp. 32.

IMPERIAL CHEMICAL INDUSTRIES, LTD., Millbank, London, S.W.1: *ICI Magazine*. May. Pp. 178.

THE INTERNATIONAL NICKEL CO. (MOND), LTD., Thames House, Millbank, London, S.W.1: *The Nickel Bulletin*. Vol. 34, No. 3. March. Pp. 80.

JEVES' SANITARY COMPOUNDS CO., LTD., River Road, Barking, Essex: *Fluid Topics*. Spring. Pp. 20.

KODAK, LTD., Kingsway, London, W.C.2: *Monthly Abstract Bulletin*. Vol. 47, No. 5. May. Pp. 308.

LOUGHBOROUGH GLASS CO., LTD., Loughborough, Leics: *Review*. Bi-monthly bulletin of new products and other items of interest. No. 1. May. Pp. 8.

NEVILLE BROWN & CO., LTD., 93 New Cavendish Street, London, W.1: *Nebro News*. No. 5. Pp. 8.

Catalogues

R. F. HUNTER, LTD., 51 Gray's Inn Road, London, W.C.1: Hunter 1961/62 catalogue. Photographic apparatus and accessories. Pp. 96.

JACOBSON VAN DEN BERG & CO. (U.K.), LTD. (Magnus, Mabey & Reynard, Inc., New York, U.S.A.), 3 Crutched Friars, London, E.C.3: Magnus catalogue, 1961. Essential oils, concentrated flavours, basic perfume oils.

JAPANESE CAMERAS, LTD., 50 Piccadilly, Tunstall, Stoke-on-Trent: Catalogue 1961.

KODAK, LTD., Kingsway, London, W.C.2: Medical Xray 1961.

Price Lists

GEIGY PHARMACEUTICAL CO., LTD., Wythenshawe, Manchester, 23: Geigy medical products—retail price list, January 1961 (with tablet identification chart). Pp. 4.

PHARMETHICALS (LONDON), LTD. (Schering, A.G., Berlin, Germany), Victoria Way, Burgess Hill, Sussex: Price list, April 1961. Pp. 14.

PRESS ADVERTISING

POTTER & CLARKE, LTD., River Road, Barking, Essex: Antasma. In *Woman's Redm, Woman's Weekly, Woman's Mirror*.

DAE HEALTH LABORATORIES, LTD., 17 Berners Street, London, W.1: Vect O. In *Daily Express*.

F. W. HAMPSHIRE & CO., LTD., Sunnydale, Derby: Dor deodorant. In *Daily Mirror, Woman's Own*.

CUSSENS, SONS & CO., LTD., Kersal Vale, Manchester: Imperial Leather. In *Woman's Own, Woman's Realm, Vogue, Cheshire Life, Lancashire Life*; Cussens talcum powders. In *Woman, Woman's Mirror, Date, Vogue, Woman's Journal, Woman and Home, Everywoman, Modern Woman, Good Housekeeping, My Home, She, Housewife, Woman and Beauty, Flair, Honey*.

TELEVISION

Figures in the columns represent number of appearances of the product during the week.

June 18-24	London	Midland	North	Scotland	Wales	South	N.E.	Anglia	Ulster	Westward
1-2 Spray ..	—	—	—	—	—	2	—	—	—	—
Alka-Seltzer ..	2	2	2	2	2	2	2	2	2	3
Amami ..	4	1	1	1	1	1	1	7	4	—
Anadin ..	5	—	2	—	5	—	—	4	—	—
Andrews liver salts ..	—	—	1	3	3	—	—	—	—	—
Andrex ..	—	—	—	—	3	—	—	—	—	—
Anne French ..	1	—	—	—	2	1	2	1	—	—
Askit powders ..	—	—	—	12	—	—	—	—	—	—
Beecham's pills ..	—	1	1	—	—	1	2	1	—	—
powders ..	2	1	1	1	1	1	2	2	4	3
Bisodol ..	—	—	—	—	—	—	—	3	—	—
Body Mist ..	—	—	1	—	2	—	—	—	—	—
Bristow shampoo ..	2	—	—	—	3	—	1	3	—	1
Brylcreem ..	5	5	5	5	5	5	5	5	5	5
Coldrex ..	—	3	1	2	5	1	1	3	2	4
Cooper's aerosols ..	4	4	4	4	4	4	3	4	3	3
Cuticura ..	—	2	—	2	—	—	—	—	—	—
Delrosa ..	—	—	2	—	—	—	—	—	2	—
Delsey ..	—	3	1	—	—	—	3	—	4	—
Dinnefords ..	1	—	—	—	1	—	1	—	—	—
Dispel disinfectant ..	—	—	—	2	—	—	—	—	—	—
Dramal ..	—	1	3	3	4	2	3	2	4	2
Elliman's foot cream ..	1	1	—	—	—	—	—	—	—	—
Eno's fruit salt ..	2	—	2	2	—	2	2	2	2	—
Euthymol ..	1	1	1	—	1	—	—	—	—	—
Frezone ..	—	—	1	—	—	—	1	—	—	—
Hiltone ..	2	—	2	—	—	—	—	—	—	—
Immac ..	3	3	1	2	3	1	—	2	1	1
Ingram shaving cream ..	4	4	4	3	4	3	3	4	5	—
Linc-O-Lin beer shampoo ..	1	—	—	—	—	—	—	—	—	—
Loxene shampoo ..	2	4	2	4	2	2	2	2	2	2
Mark Vardy ..	4	3	—	—	2	—	2	3	3	—
Milk of Magnesia ..	—	—	—	—	—	—	3	—	—	—
tablets ..	2	2	—	—	—	—	—	—	3	2
Mum Rollette ..	1	2	2	1	3	2	2	—	—	2
Phyllosan ..	1	1	1	—	—	—	1	—	—	1
Pretty Quick ..	—	—	4	—	—	—	—	—	—	—
Rennies ..	—	—	—	—	—	—	—	—	4	—
Rinstead pastilles ..	1	1	—	—	1	1	1	1	2	—
Saxin ..	4	4	4	4	4	4	4	4	4	4
Sek ..	—	1	1	—	—	—	—	—	—	—
Silvikrin pure hair cream ..	3	2	—	—	—	—	—	—	—	—
shampoo ..	4	3	1	—	3	—	1	2	2	—
Smokies ..	—	—	—	—	3	1	1	3	3	—
Star Spray ..	—	1	—	—	1	2	1	—	—	—
Thermos ..	1	1	1	—	—	—	—	—	—	—
Winspray ..	—	2	—	—	2	2	—	3	—	—

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Tuesday, June 13

WALTHAMSTOW BRANCH, NATIONAL PHARMACEUTICAL UNION, "Danecourt," Church Hill, Walthamstow, at 8.15 p.m. Meeting. Elections of officers and committee.

Wednesday, June 14

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, at Wilpshire, near Blackburn, Meeting (Griffith Hughes Prize).

SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY, at Addington golf club, Meeting (Captain's Prize).

THAMES VALLEY PHARMACISTS' ASSOCIATION, at 3.30 p.m. Summer outing to Albury Park, near Guildford.

YORKSHIRE BRANCH, GUILD OF PUBLIC PHARMACISTS, St. James Hospital, Leeds, at 6.30 p.m. Miss D. Dyson on "An introduction to space travel."

Thursday, June 15

KING'S COLLEGE, Strand, London, W.C.2, at 5.30 p.m. Special University of London Lecture in pharmacology. Professor L. Goldberg on "Alcohol and Addiction."

LONDON CHEMISTS' GOLFING SOCIETY, at Hendon golf club. Visitors' day.

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED

From the "Official Journal (Patents)," May 31

- Pharmaceutical compositions.* Glaxo Laboratories, Ltd. 873,206.
- Penicillin derivatives.* Beecham Research Laboratories, Ltd. 873,049.
- Penicillins.* Beecham Research Laboratories, Ltd. 873,244.
- Preparation of lactones.* Pfizer, Ltd. 873,296.
- Water soluble tetracycline derivatives and process for their manufacture.* Farbwerke Hoechst, A.G. 872,991.
- Substituted o-amino-alkoxy-acyl benzenes and processes for their manufacture.* Pharmacia A.B. 872,997.
- Benzoxazoles.* Merck & Co., Inc. 873,210.
- Process for the production of fluorinated 1, 3, 5-triazines.* Farbenfabriken Bayer, A.G. 873,251.
- Production of cyanuric acid.* Whiffen & Sons, Ltd. 873,297.
- Optically active 3-mercapto-phenothiazine derivatives.* Sandoz, Ltd. 873,316.
- Process for the manufacture of 1:1:1-trifluoro-2-chloro-2-bromethane.* Farbwerke Hoechst, A.G. 873,212.
- Steroids and the manufacture thereof.* Upjohn Co. 873,300, 873,219.
- Preparation of phenothiazine derivatives.* Shell Research, Ltd. 873,066.
- Heterocyclic compounds.* Imperial Chemical Industries, Ltd. 873,223.
- Bis(p-dialkylaminoaryl) methylamines.* Allied Chemical Corporation. 873,186.
- Steroid compounds and their preparation.* Laboratoires Français de Chimiothérapie. 873,238.
- Chloroquine derivatives.* Laboratoires Robert & Carrice, S.A., Des. 873,239.
- Nitro-arylamido-phosphoric acid esters.* Farbenfabriken Bayer, A.G. 873,015.
- Stabilisation of trichloroethylene.* Imperial Chemical Industries, Ltd. 873,261.
- Stilboestrol and hexoestrol derivatives.* Francesco Vismara, S.P.A. 873,262.
- Substituted phenylcyclopropyl-amines.* Smith Kline & French Laboratories. 873,018.
- Substituted chrysenes and 1, 3-propanophenanthrenes.* Shionogi & Co., Ltd. 873,019.
- Preparation of orthoaminophenylacetanilides.* Norwich Pharmacal Co. 873,301.
- 1-acyl and 1-carbalkoxy-3-pyrrolidinols.* Mead Johnson & Co. 873,303.
- Steroid compounds and a method for preparing them.* Takeda Pharmaceutical Industries, Ltd. 873,284.
- Derivatives of 1, 11-epoxy-4-methyl-1, 3, 5 (10), 9, (11)-estratetraene.* G. D. Scarle & Co. 873,331.
- Herbicidal compositions.* Boots Pure Drug Co., Ltd. 873,218.
- Antiseptics and disinfectants.* Reckitt & Sons, Ltd., S. N. H. Stothart and G. C. Beecroft. 872,956.
- Male urinals for personal use.* J. G. Franklin & Sons, Ltd., and J. Joyner. 873,045.
- Corn pads.* Scholl Mfg. Co., Ltd. 873,334.
- Surgical pads and the like.* Scholl Mfg. Co., Ltd. 873,197.
- British patent specifications are obtainable (price 3s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2.

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," May 24

- For brushes* (21)
LISTAFLEX, B814,740, by Lister Equipment, Ltd., Manchester, 1.
- For rubber gloves for household cleaning purposes* (21)
CUMFITS, 817,559, by Adams & Martin, Ltd., London, W.1.
- For hair nets; hair rollers and hair curlers* (26)
FABULO, 816,688, by Hactam, Ltd., Manchester, 4.

From the "Trade Marks Journal," May 31

- For detergent preparations of ammonia, not for use in industrial or manufacturing processes; and dry cleaning preparations in liquid form for domestic use* (3)
SCRUBB'S REMOVIT, 784,178, by Scrubb & Co., Ltd., London, S.W.19.

For cosmetic and non-medicated toilet preparations; preparations for the hair; and hydrogen peroxide (not for pharmaceutical purposes) (3)
Device with word ROUX, 780,620, by Roux International, Ltd., Dublin, Republic of Ireland.

For detergents (not for use in industrial or manufacturing processes) (3)

SPIC, SPIK, B802,950-51, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne. DITON, 806,576, by Diversey (U.K.), Ltd., London.

For perfumes, non-medicated toilet preparations, cosmetics and dentifrices (3)

CRE-DO, 804,350, by Arnaud Parfumeur, S.A., Neuilly-on-Seine, France.

For preparations for imparting a tan to the skin, and preparations for protecting the skin against sunburn, all being non-medicated toilet preparations (3)

FRESHMAN GONE-TAN, 805,565, by Myram Picker, Ltd., Surbiton, Surrey.

For cleaning preparations (3)

DI-CROBE, 813,378, by Huntingdon Laboratories, Inc., Huntington, Indiana, U.S.A.

For perfumes, toilet preparations (not medicated); cosmetic preparations; dentifrices, depilatory preparations, toilet articles; sachets for use in waving the hair; preparations for dressing and setting the hair; soaps and essential oils (3)

DISTURB, 818,047, by Goya, Ltd., London, W.1.

For pharmaceutical preparations and substances (5)

TAMARINE, 799,295, by Société d'Exploitation de Marques et Brevets, Bordeaux, Gironde, France. METORALANE, 810,067, by Scai Société Commerciale d'Applications Industrielles, Glarus, Switzerland. SOLCOHEPSYL, 813,683, by Solco Basel, A.G., Basle, Switzerland.

For pharmaceutical preparations and substances for human use by internal administration; and infants' and invalids' foods (5)

PACE, B805,766, by D.D.D. Co., Ltd., Watford, Herts.

For anticholinesterase preparations for medicinal use, containing a compound of phosphorus and iodine (5)

PHOSPHOLINE IODIDE, 807,726, by Campbell Pharmaceuticals, Inc., New York, U.S.A.

For pharmaceutical preparations and medical diagnostic reagents for use in detecting and controlling the presence of sugar (5)

SUGATROL, 808,816, by Wellcome Foundation, Ltd., London, N.W.1.

For pharmaceutical preparations for the treatment of ailments of the liver (5)

NU-HEPADIS, 809,292, by Wellcome Foundation, Ltd., London, N.W.1.

For preparations for killing weeds and destroying vermin and insecticides (5)

DYLOX, 809,450, by Farbenfabriken Bayer, A.G., Leverkusen, 22c, Germany.

For pharmaceutical substances and preparations, all for use in the treatment of diuretic disorders (5)

UROSILB, 809,635, by Silten, Ltd., Hatfield, Herts.

For pharmaceutical preparations and substances for human and veterinary use (5)

VIPROMAL, 810,269, KANNAPEN, 816,904, BOVOLON, 817,846, GINA, 818,071, by Winthrop Group, Ltd., Surbiton, Surrey.

For pharmaceutical preparations for the treatment of the eyes (5)

EYEDREXIN, 810,695, by Phillips, Scott & Turner, Ltd., Newcastle-on-Tyne, 1.

For veterinary preparations for use in the treatment of diseases in lambs (5)

LAMKIDY, 810,883, by Winthrop Group, Ltd., Surbiton, Surrey.

For medicines in liquid form for human use in the treatment of diseases of the chest and respiratory organs (5)

NEOPULMO-BAILLY, 810,885, by Bailly, Ltd., Alpertown, Wembley, Middlesex.

For all goods (5)

KEFALOS, B812,140, by Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, 24. NONOCAL 900, 815,632, by Horlicks, Ltd., Slough, Bucks. CORTEPYROL, 816,361, by A. B. Bofors, Bofors, Sweden. NUMORIL, 816,520, by The British Drug Houses, Ltd., London. N.1. POLIFORT, 816,903, by Merck & Co., Inc., Rahway, New Jersey, U.S.A. NORCOF, 817,474, by Norchem, Ltd., Ferryhill, co. Durham.

For pharmaceutical preparations and substances all for use in the treatment of acne (5)

DIVACNE, 812,210, by Diva Laboratoriu A.G., Zurich 37, Switzerland.

For pharmaceutical preparations for use in making seltzer water (5)

SELZAVIT, 812,212, by Diva Laboratoriu A.G., Zurich 37, Switzerland.

For pharmaceutical preparations for reducing appetite (5)

LUCOFEN, 813,155, by H. Lundbeck & C. A.S., Copenhagen, Denmark.

For pharmaceutical and medicinal preparations and substances for human and veterinary dental preparations and substances; medical plasters and antiseptics (5)

LONZA, 813,595, by Lonza Electric and Chemical Works, Ltd., Gampel, canton of Valais, Basle, Switzerland.

For sanitary chemical substances for use as disinfectants and deodorants (5)

AUTOFRESH, B813,854, by Thompson Capper, Ltd., Liverpool, 24.

For preparations in aerosol form for purifying air (5)

DAWN MIST, 814,971, by Secto Co., Ltd., Blackburn, Lancs.

For disinfectants (5)

SNOW-GENE, 816,356, by Patrick Caulfield, Middleton, nr. Manchester.

For veterinary preparations and products (5)

KEYBRIN, 816,410, by Pharmaco Dynamique Ltd., Shirley, Southampton.

For nail files, nail clippers, and nail dressings being hand implements (8)

DIAMON-DEB, 806,978, by Diamon-De Inc., Burbank, California, U.S.A.

CONTEMPORARY THEMES

Subjects of contributions in current medical and technical periodicals.

BIOPHARMACEUTICS: absorption aspects. *J. pharm. Sciences*, May 1961.

ASPIRIN TABLETS. Comparison of dissolution and absorption rates of different commercial aspirin tablets. *J. pharm. Sciences*, May 1961.

OPIMUM, amino acids in. *J. pharm. Sciences*, May 1961.

ALOPECIA. *Med. Press*, May 31.

BASAL METABOLIC RATE, plasma cholesterol and radioactive iodine in thyroid dysfunction. *Med. Press*, May 31.

SCHISTOSOMIASIS. Chemotherapy of. *J. chem. Soc.*, May.

SYNTHESIS of NN-dialkyl-N'-arylalkyl-N'-4-quinoxalyl (or 6-methyl-4-pyrimidyl or 4-methyl-2-pyrimidyl) ethylenediamines of potential pharmacological interest. *J. chem. Soc.*, May.

GLASS. Research on. *New Scientist*, May 25.

AN ESTROGEN. Use of, in the treatment of pharyngeal cancer. *J. Amer. med. Ass.*, May 13.

ISOPROTERENOL. Treatment of heart block with. *J. Amer. med. Ass.*, May 13.

ANNEALING AMPULES. *Drug and cosmetic Industries*, May.

VITAMIN-B₁₂-PEPTIDE. Oral treatment of pernicious anemia with. *Brit. med. J.*, June 3.

LYSOLECITHIN. *J. Pharm. Pharmacol.*, June.

16X, 17X-ISOPROPYLIDENEOXY-6X-METHYLPREGN-1, 4-DIENE-3, 20-DIONE (B.D.H. 3144). A new anti-inflammatory agent. *J. Pharm. Pharmacol.*, June.

GUANETHIOINE in the treatment of hypertension. *J. Amer. med. Ass.*, May 20.

CHLORAMPHENICOL bone marrow toxicity. *J. Amer. med. Ass.*, May 20.

DEMETHYLCHLORTETRACYCLINE in clinical practice. *J. Amer. med. Ass.*, May 20.

DETERMINATION OF IRON in compound ferro-phosphate syrup: A comparison of two methods. *S. Afr. pharm. J.*, April 1961.

HYDROXYPROLINE. Isolation of peptides containing hydroxyproline from animal tissues. *Nature*, June 3.

HALOPERIDOL (R 3201), a highly potent and selective anti-emetic agent in dogs. *Nature*, June 3.

5-HYDROXYTRYPTOPHAN O-CARBOXYLATION. Assay of, in intact brain. *Nature*, June 3.

5-BROMURACIL. Effect of, on crown gall tumor induction. *Nature*, June 3.

MICROFILMING of prescription records. *Aust. J. Pharm.*, March 1961.

First Sanatogen/Sebbix Window Display Competition

THE WINNER!

MR. P. MORRIS-WILSON, M.P.S.



Genatosan are happy to announce that the lucky winner of the first "Sanatogen"/"Sebbix" Window Display Competition was Mr. P. Morris-Wilson, M.P.S., of Woodhatch, Reigate.

Our Public Relations Executive, Mr. H. Spalding, called on Mr. Morris-Wilson (left) to tell him the good news and found a "Sanatogen" window unit on display for which Mr. Morris-Wilson was awarded £10. A "Sanatogen" counter display won £5 and a "Sebbix" Shampoo window display another £10. With a further £5 for a "Sebbix" counter display, Mr. Morris-Wilson won a total of £30.

Mr. Morris-Wilson's displays of these two leading products helped bring new customers into his pharmacy, and his comment on receiving the cheque was "My 'Sanatogen' and 'Sebbix' displays have certainly paid off".



2nd PRIZE of £20
awarded to Mr. R. H. Ellis, M.P.S. of
Skellow, Nr. Doncaster.



3rd PRIZE of £16
awarded to Mr. F. V. Brown, M.P.S.
of Buxton.

ENTRIES FOR THE NEXT SANATOGEN/SEBBIX DISPLAY COMPETITION

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ORNIVITE—

**Tonic and food supplement
to restore and maintain
the health of caged birds**

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Monday, June 12th, 1961

TOILET PRODUCTS		OLD PRICE	NEW PRICE
BATHJOYS BATH CUBES		4½d.	5d.
NULON HAND CREAM			
	'C' size	1/7d.	1/8d.
STERADENT DENTURE CLEANER			
	'A' size	2/7d.	2/8d.
	'B' size	1/5½d.	1/6d.
PHARMACEUTICAL PRODUCTS			
DISPRIN-SOLUBLE ASPIRIN			
	50 tablets in bottle	3/2d.	3/4d.
	28 tablets in foil	1/11d.	2/0d.
	26 tablets in bottle	1/11d.	2/0d.
	8 tablets in foil	8½d.	9d.
DISPRIN JUNIOR			
	16 tablets in foil	8½d.	9d.
CAFDIS-SOLUBLE ASPIRIN WITH PHENACETIN AND CAFFEINE	20 tablets in foil	1/8d.	1/9d.
CODIS-SOLUBLE ASPIRIN WITH CODEINE AND PHENACETIN			
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	9 tablets in foil	1/3½d.	1/5d.



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The words SOLAZZI and LIQUORICE have become very nearly synonymous. Loosens phlegm, soothes bronchitis and asthma, prevents infection of the air passages (smog and smoke). A modern medicament in digestive disorders and gastric ulcers.

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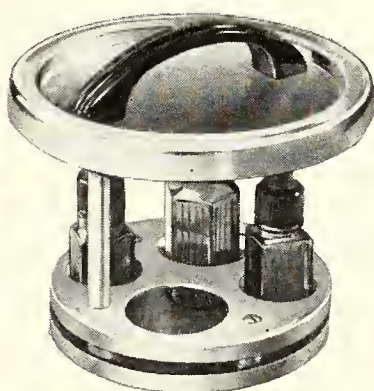
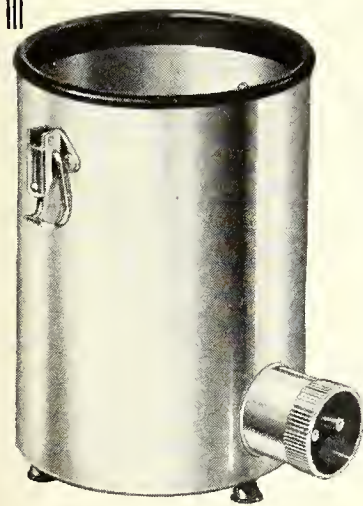
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is as bad as
not to go far
enough" ?

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is what
Confucius
actually said.*

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*beats the price
barrier today!*

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With attractive, lifelong
finish.

NEW snap-on cup.
No grooves to harbour
dirt.

NEW shock absorbers.
Greatly reduced refill
breakages.

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extra strength.

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to reduce refill breakage.



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stopper and non-drip pourer.

Unique, threadless, snap-on
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in attractive colours. Lifelong
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8/11^d

Available in
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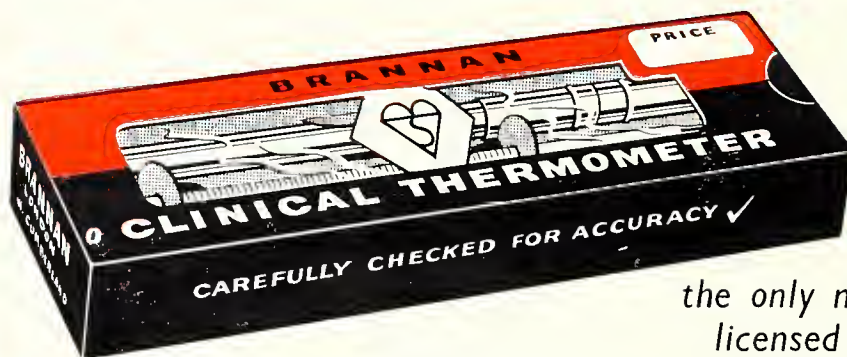
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Are you a pharmacist looking to the future?

THEN THE PLACE FOR YOU IS HERE!

The men who will fill the vacancies in Lewis & Burrows new modernized branches in London and the provinces will, of course, be first and foremost professional pharmacists, for behind the New Look is one of the oldest-established pharmaceutical firms.

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£1400 FOR SENIOR PHARMACISTS

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And, of course, the company wishes to encourage its staff to aim at rising within the organization to the managerships of large stores, and certain even higher positions which are well within the reach of the capable man.

With this in mind, Lewis & Burrows are offering, besides these excellent salaries, Incentive Payments, a Non-contributory Pension Scheme, and a generous Holiday Plan.

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So, if you're ripe for a change, write off to:

Lewis & Burrows Ltd

197/215 LYHAM ROAD, LONDON SW2.

P.S. There are vacancies for retired pharmacists, too; to do evening work from 6 p.m. to 8 p.m. Why not turn a penny between tea and supper?

Stock and display **AMBRE SOLAIRE**

Europe's biggest selling Sun Tan Oil

**Nation-wide Ambre Solaire Advertising
will reach millions every week
throughout the summer months**

Dominating advertisements in

DAILY EXPRESS

DAILY TELEGRAPH

DAILY MAIL

SUNDAY TIMES



Ambre Solaire Aerosols
Packed in half dozens only,
6 Mousse, 6 Oil,
or 3 Oil and 3 Mousse

AMBRE SOLAIRE OIL AEROSOL

The famous Ambre Solaire Oil packed in an easy to use, long-lasting aerosol, gives the quickest, deepest tan without burning.

Trade Price 91/- per doz. aerosols, plus tax.

Retail price 15/- per aerosol.

AMBRE SOLAIRE MOUSSE AEROSOL

Ambre Solaire in an easy to spread mousse (cream) form, especially suitable for those with sensitive skins.

Trade price 91/- per doz. aerosols, plus tax.

Retail price 15/- per aerosol.



AMBRE SOLAIRE BOTTLE

The sun tan oil that gives the deepest, quickest tan without burning.

Trade price 44/- per doz. bottles, plus tax.

Retail price 7/3d per bottle.

This popular bottle . . . so familiar to the millions of British visitors to the Continent will again be a fast seller throughout the summer. Order Stock Now!

AMBRE SOLAIRE

Gives the quickest, deepest tan without burning

Manufactured and distributed by **GOLDEN LIMITED**, 7 Grosvenor Street, London W.1. Hyde Park 1671



Never have
your customers
had it so good!

...so good, because it is the most powerful
disinfectant lavatory cleanser you can sell

More **DOMESTOS** is sold than any other lavatory cleanser

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Lastonet

PRODUCTS LIMITED

SUPPLY THE COMPLETE N.H.S. RANGE

Order all your surgical hosiery requirements from Lastonet Products and save yourself both time, trouble and expense; and remember, Lastonet Products are *the* specialists in Surgical Hosiery.

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(LASTONET)**

These cool, firm comforting elastic net stockings are made to measure, providing maximum support for Varicose Veins.

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NET STOCKINGS
(LASTOSHEER)**

The very latest, finest, lightweight nylon elastic net stockings for customers whose leg condition does not warrant the standard elastic net stockings.

24-HR. SERVICE (STOCK SIZES)

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(LASTOYARN)**

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STOCKINGS
(LASTOFINE)**

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For the immediate treatment of Burns and Scalds. For Boils to avert surgical intervention. Also for ABSCESSES, ECZEMA, CARBUNCLES, VARICOSE ULCERS, HAEMORRHOIDS, and certain types of DERMATITIS.

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For ASTHMA, BRONCHITIS, CATARRH, CORYZA, RHINITIS and many other infections of the naso-pharynx.

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For BLEPHARITIS, CONJUNCTIVITIS, DACRIOCYSTITIS, KERATITIS and other inflammatory conditions of the eye.



The Antipeol products incorporate the broth filtrates of the microbes common to most cutaneous, naso-pharyngeal and ocular complaints.

Among the MEDICAL AND NURSING PROFESSION and THE FIRST AID ASSOCIATIONS, the ANTIPEOL preparations enjoy a continued and growing popularity. They are highly regarded as simple but effective remedies against even the more virulent forms of skin, nose and eye infections.

PB38

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Sole Distributors for the U.K.

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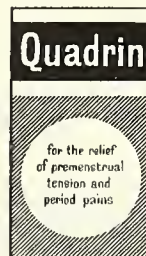
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DISPERSIBLE POWDER BRAND

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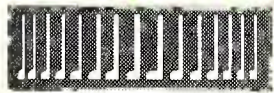
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All bonus goods are free

Make the most of these offer

JUNE 1

Gordon Moore (528 GM)									
cosmetic toothpaste small	14	5	3	7½	1	11			
GP (1073 Robinson)									
cotton wool	8	6	..	..	1	0			
Halex (560 Halex)									
chamber F501	55	6	..	..	6	11			
.. .. F502	44	0	..	..	5	6			
.. .. F512	28	0	..	..	3	6			
Heath & Heather (588 H&H)									
cigarettes herbal arabian 10	9	6		2	6	1	3		
.. .. 20	16	6	4	0	2	2			
.. .. 50	33	6	8	6	4	5			
.. .. 100	62	0	15	6	8	3			
smoking mixture herbal									
plain 64	11	0	..	..	1	3			
Vi-tablets	21	0	5	0	3	0			
.. ..	38	6	9	6	5	7			
Heatherclean (588 H&H)	8	0	2	0	1	3			
.. ..	19	0	5	0	2	10			
Hep (107 BH&L)									
tonic 4 oz	16	4	4	1	2	8			
.. .. 8 oz	31	0	7	9	4	10			
Herbolic (588 H&H)									
disinfectant	17	0	4	0	2	3			
Hexopal (97 Bayer)									
tablets 500 mgm .. 100	41	4ea	..	..	62	0			
Insulin A.B. (34 A&H)									
20 units 5 cc									
Johnsons (673 J of H)									
desensitizer yellow									
Kaloids (680 Kalium)									
tablets 30	16	0	..	..	2	0			
Keg (462 Field) hair cream									
Kodak (711 Kodak)									
Brownie 44B camera ..	52	0ea	13	0ea	93	0			
.. .. case 935	8	Sea	2	2ea	15	6			

for you in 1961

'SAXIN' SALES



**National
Dailies,
Women's
Magazines,
Provincial
Dailies,
All ITV
Stations**

Kodaslide 50 projector projection lamp 300w ..	209	7 1/2 ea	..	322	6				
Kodachrome II double 8mm movie film 25 ft. spool	23	1 ea	..	33	0				
movie films 16mm (reversal) Tri-X and Plus-X 50 ft. spool	18	8 ea	2	11 ea	29	7			
50 ft. magazine	25	9 ea	3	11 ea	38	3			
100 ft. spool	31	10 1/2 ea	5	4 ea	47	10			
Kodachrome 50 ft. spool	43	4 1/2 ea	6	6 ea	64	4			
50 ft. magazine	30	0 ea	5	0 ea	45	0			
100 ft. spool	36	0 ea	6	5 ea	54	5			
Kodisk filters ..	51	3 ea	8	6 ea	76	10			
.. 255	7	0 ea	1	9 ea	12	3			
.. 285	7	0 ea	1	9 ea	12	3			
.. 320	7	8 ea	1	11 ea	13	5			
.. 370	9	0 ea	2	3 ea	15	9			
close-up lens ..	255	5	2 ea	1	4 ea	9	1		
lens hoods ..	255	3	8 ea	11 ea	6	5			
.. 285	3	8 ea	11 ea	6	5				
.. 320	4	8 ea	1	2 ea	8	2			
Leichner (749 Leichner) "kamera klar" base 352	14	6	7	3	2	5			
Less (528 GM) toothpaste	14	5	3	7 1/2	1	11			
Librium (1074 Roche) tablets 5 mgm ..	25	54	0	..	6	9	s4B		
.. 100	192	0	..	..	24	0	s4B		
.. 500	65	0 ea	..	..	97	6	s4B		
10 mgm ..	25	68	0	..	8	6	s4B		
.. 100	240	0	..	..	30	0	s4B		
.. 500	82	0 ea	..	..	123	0	s4B		
Lusty's (781 Lusty's) digestive tablets ..	150	33	0	7	10	4	9		
nerve tablets ..	150	33	0	7	10	4	9		
seaweed bath bags ..	5	24	0	5	8	3	6		
and sarsaparilla tablets ..	150	33	0	7	10	4	9		
sleep inducing tablets ..	150	33	0	7	10	4	9		
special herbal tablets ..	150	33	0	7	10	4	9		
Marevan (436 Evans) tablets 1 mgm ..	100	96	0	..	..	12	0		
10 mgm ..	100	288	0	..	..	36	0		
Margo's (798 Margolis) bath eubes floral ..	17	0	8	6	3				
gross	gross								
Max (855 Mondart) insect repellent ..	30	0	7	4	3	11			
Medic (942 Passmill) toilet rolls double ..	9	0	..	..	1	3			
Melleril (1098 Sandoz) syrup ..	100	54	0	..	6	9			
1 litre	444	0	..	..	55	6			
Miners (876 MP) hair lacquer aerosol ..	39	0	19	6	6	6			
Mus-Gar (588 H&H) ointment	16	6	4	0	2	5			
.. 32	6	8	0	4	9				
<i>Delete</i> Nielane (70 Aspro) linctus									
Nuit de Longchamp (Lubin (1 Abbey) Cologne conceentree ..	289	..	..	..	16	6			
.. 290	..	..	..	..	30	0			
.. 292	..	..	..	..	75	0			
.. 297	..	..	..	..	..	..
<i>Delete</i> perfume ..	2949	..	..	..	35	0			
.. 2950	..	..	..	..	52	6			
.. 2951	..	..	..	..	85	0			
.. 2952	..	..	..	..	135	0			
.. 2954	..	..	..	..	300	0			
.. 2921	..	..	..	..	294	0			
.. 2948	..	..	..	..	..	..
<i>Delete</i> soap (3) ..	2916	..	..	..	15	0			
talcum tin ..	831T	..	..	..	7	6			
bottle ..	830	..	..	..	10	6			
Odol (314 Cranbux) toothpaste	14	5	3	7 1/2	1	11			
One Two (621 Horlicks) spot lifter spray ..	2 oz	31	6	..	3	6			
Orapen V-K (650 IRL) tablets 125 mgm ..	50	19	6 ea	..	26	0	TS		
.. 100	35	0 ea	..	..	46	8	TS		
.. 250	89	9 ea	..	..	119	8	TS		
.. 500	171	0 ea	..	..	228	0	TS		
Ornimed (718 LAB) bird seeds									
with chloramphenicol	36	0	..	..	4	0			
with penicillin	36	0	..	..	4	0			
with sulphonamide	36	0	..	..	4	0			
with vit. B12	45	0	..	..	5	0			
Parke-Davis (938 PD) shaving cream tube 1 1/2 oz									
Pen (267 C&A) acriflavine and Clearlight iodine and mosquito ..	10	0	..	..	1	3			
.. 10	0	2	6	1	6				
Penicillin (34 A&H) ointment ..	2 oz	18	0	..	2	3	TS		
<i>Delete</i> eye ointment strong									
<i>Delete</i> solution tablets buffered									
Petron (1201 Supervite) universal atomizer ..	23	6	11	9	3	11			
<i>Delete</i> Phenaglate (70 Aspro) capsules									
Plastabook (1247 TDC) first aid dressings 2 1/2 doz	38	4	..	..	1	11			
P.L.J. (103 BF) large ..	44	5	..	..	4	9			
Polkris (839 MGS) electric feeding bottle	20	0 ea	5	0 ea	35	0			
Ponds (256 CPL) cold cream ..	11	0	5	6	1	9			
face powder ..	11	0	5	6	1	9			
freshener pads ..	11	0	5	6	1	9			
vanishing cream ..	11	0	5	6	1	9			
<i>Delete</i> lipsticks medium swivel									
<i>Delete</i> large refills									
<i>Delete</i> tissues									
Punch and Judy (528 GM) toothpaste ..	14	5	3	7 1/2	1	11			
<i>Delete</i> Quelques Fleurs (Houbigant (1 Abbey) perfume ..	104-91	..	..	..	..	..
soap (3) ..	142-25	..	..	..	15	0			
talcum tin ..	149-17	..	..	..	7	6			
Rentokil (1047 Rentokil) aerosol ..	..	6 oz	..	..	5	0			
Riddofan (1059 Riddell) inhaler ..	158	6	..	..	22	0			
ease ..	43	0	..	..	8	11			
Rollei-Magic (637 Hunter) camera with f/3.5 Xenar lens	..	..	..	..	1534	6			
ever-ready case ..	..	..	..	..	103	9			
Rotakin (8 Actina) profile tripod 1402 ..	..	..	..	..	175	0			
Scarfe (588 H&H) herbal cigarettes ..	20	19	6	..	2	2			
<i>Delete</i> Sea and travel-sickness remedy (107 BH&L) Selmo (588 H&H) biscuits									
Solcoseryl (499 Richter) ampoules 2 mls ..	6	27	8 ea	6	11 ea	48	5		
ointment ..	20 gm	3	8 ea	11 ea	6	5			
Son Fils et Lui (Lubin (1 Abbey) after shave ..	100	..	..	..	30	0			
mens Cologne ..	700	..	..	..	37	6			
Soventol (708 Knoll) jelly ..	20 gm	30	0	..	3	4			
tablets ..	20	36	0	..	4	0			
.. 200	25	6 ea	..	..	34	0			
Soventol C (708 Knoll) dragees ..	20	36	0	..	4	0			
.. 200	25	6 ea	..	..	34	0			
Stephens (1411 Stephens) tar remover tube ..	20	0	..	..	2	6			
Steriloderm (1341 Willows) gel ..	60 gm	37	6	9	6	5	6		
SteriShave (438 ER) razor bath ..	..	22	0	5	6	3	4		
refills ..	..	18	0	4	6	2	8		
Strepolin (518 Glaxo) cartridges 1 1/2 mls ..	10	12	6 ea	..	18	9	TS		
vials ..	10	12	6 ea	..	18	9	TS		
Swandown (1218 HT) "Final Touch" deodorant	14	0	7	0	2	3			
Tabloid (208 BW) ergometrine									
malcate 0.5 mgm ..	25	82	0	..	10	3	TS		
.. 100	284	0	..	..	35	6	TS		
.. 500	1200	0	..	..	150	0	TS		
Toni (1242 Toni) brush rollers ..	21	3	5	3 1/2	6				
.. 6 doz	31	6	..	..	3	6			
Tramil (655 ICC) ..	..	..	..	..	..	..
Travla (761 Lilia-White) compressed sanitary towels ..	3	8	4	..	10 1/2				
Trescatyl (971 PSMB) powder 2 gm ..	70	0	..	..	8	9			
tablets 250 mgm ..	50	36	8 ea	..	55	0			
.. 250	178	4 ea	..	..	267	6			
<i>Delete</i> Triad (107 BH&L) cherry malt & oil									
Vacco (1265 Vacco) vacuum flask-de-luxe VLP	73	6	9	0	8	11			
Valderma (343 DH) jar ..	1 oz	24	2	..	2	9			
.. 2 oz	39	4	..	..	4	6			
.. 4 oz	50	6	..	..	6	0			
Valette (373 DHL) hair colour spray ..	76	0	..	..	9	6			
Vaseline (256 CPL) petroleum jelly									
yellow ..	1 lb	41	4	10	4	5	6		
.. 7 lb	165	0	..	..	..	..
white ..	1 lb	50	8	12	8	6	9		
.. 7 lb	210	0	..	..	..	..
Vosol (369 DL) ear drops 15 mls ..	67	0	17	0	9	10			
Vytina (107 BH&L) tonic phosphates ..	4 oz	21	6	5	4 1/2	3	6	+	
.. 8 oz	34	0	8	6	6	0	+		
.. 16 oz	60	0	15	0	10	0	+		



Streptomycin with sulphadimidine
for the treatment of intestinal infections
tablets and ready-prepared suspension

THE DISTILLERS COMPANY (Biochemicals) LIMITED, SALES DIVISION, LIBERTY 6600, LONDON

Wata (980 Photopia) optical viewfinder .. W39	20	10ea	5	0ea	36	3
Watameter (980 Photopia) 11 rangefinder .. W2	39	10ea	9	9ea	69	6
super .. W3	64	0ea	10	6ea	74	6
Wellcome (208 BW) ergometrine maleate 0.5 mgm in lcc .. 10	62	0 ..	..	..	7	9 †s1
.. 100	464	0 ..	..	..	58	0 †s1
Whip (933 PLG) after shave lotion ..	6	10ea	3	5ea	14	3
..	18	0ea	9	0ea	39	8
Wopsey (107 BH&L) wasp killer ..	16	0 ..	..	..	2	3
Wright-Fleming (1393 BRL) antigens						
diphtheria-pertussis prophylactic 3 x ½ mil	4	3ea	..	..	..	..
5 mils	7	6ea	..	..	..	..
diphtheria-tetanus prophylactic ½ mil	1	10½ea	..	..	..	..
3 x ½ mil	3	4½ea	..	..	..	..
5 mils	7	10½ea	..	..	..	..
pertussis .. ½ mil	1	10½ea	..	..	..	..
3 x ½ mil	4	3ea	..	..	..	..
5 mils	7	6ea	..	..	..	..
tetanus toxoid 2 x ½ mil	3	9ea	..	..	..	..
5 mils	7	1½ea	..	..	..	..
Wright's (1351 WLU) lysol BP .. 4 oz	9	9 ..	..	..	1	4 p2
8 oz						

AMENDMENTS TO KEY TO SUPPLIERS:

- 03 Brobat)=BROBAT, LTD., 52 Wandle Bank, London, S.W.19. Liberty 8131.
 14 Gillette)=GILLETTE SAFETY RAZOR CO. (DIVISION OF GILLETTE INDUSTRIES LTD.), Great West Road, Isleworth, Middlesex. Isleworth 1234.
 39 MGS)=MILLER GWYNNE SALES, LTD., 112a Junction Road, London, N.19. Archway 0199.
 31 PDC)=PAND DISTRIBUTORS CO., LTD., P.O. Box No. 1., Oxted, Surrey.
 43 Pathscope)=PATHSCOPE (LONDON), LTD., 38 Brooke Street, London, E.C.1. Holborn 0461.
 411 Stephens)=HENRY C. STEPHENS, LTD., Gillespie Road, London, N.5. Canonbury 4455.

THIS WEEK'S CHANGES

NEW and altered entries notified for the first time

A=Advanced, R=Reduced.

Entries new this week are marked thus:—●

Allercur (1107 SAGB) (distributors 973 Pharmethicals) ● ointment 500 gm .. 30 0ea .. 45 0 †s7						
300 gm						
Biligratin (1107 SAGB) single ampoules						
Casino (234 Cartwright) overnight tan ..	30	0	15	0	5	0
suntan spray ..	20	0	10	0	3	9
supertan aerosol ..	34	0	17	0	5	9
Chardox (411 EGH) ● Chardox (894 Nicholas) ● Courtesy (337 Curtis) cleansing cream .. 8 oz	36	0	18	0	6	6
lotion .. 4 oz	15	0	7	6	3	3
Dequadin (34 A&H) R paint 0.5% 28 mils ..	72	0 ..	..	..	9	0
● Dequalone-P (34 A&H) 15 gm	120	0 ..	..	..	15	0 TS
Durst (980 Photopia) ● automatic camera .. D94	456	0ea	111	2ea	795	2
case .. D95	34	4ea	8	4ea	59	10
● six-six camera .. D111						
Edixa (980 Photopia) A camera stereo III E300	396	2ea	96	6ea	690	9
Edixamat (980 Photopia) A camera reflex standard E178	929	0ea	226	6ea	1620	0
A flex B .. E182	688	0ea	167	8ea	1199	8
A flex AL .. E185						
Delete reflex B .. E198	658	0ea	160	5ea	1147	5
A reflex C .. E199	757	4ea	184	7ea	1320	7
A reflex D .. E200	757	4ea	184	7ea	1320	7
Eicortelan (518 Glaxo) ● lotion aerosol 0.5% 30 mils	8	6ea	..	..	11	4 TS
● with neomycin 30 mils	9	0ea	..	..	12	0 TS
Endografin (1107 SAGB) single ampoules						
A Express (1036 RB&C) powders .. 8	13	1	3	3	1	10
.. 22	33	7	8	5	4	6
.. 48	6	0ea	1	6ea	..	..
.. 120	14	10ea	3	8½ea	..	..
tablets .. 16	13	1	3	3	1	10

R Furadantin (1153 SKF) tablets 50 mgm .. 25 15 7½ea .. 23 5						
.. 250	143	6ea	..	..	215	3
● Gastrogratin (1107 SAGB) (distributors 973 Pharmethicals) bottles 100 mils .. 1 33 4ea .. 50 0						
.. 5	150	0ea	..	..	225	0
Goya (532 Goya) A perfume handbag phial 1	27	0	13	6	4	6
A Cologne 1 oz 24	27	0	13	6	4	6
A talcum .. 15	27	0	13	6	4	6
Delete Instant Postum (130 Bird) Instant Postum (304 Costa)						
● Kenergy (1175 SPL) biscuit meal dog food ..	18	9 ..	..	..	2	0
Margo's (798 Margolis) A hair lacquer refill sachet	4	2	2	1	1	0
● shave cream lather tube	11	0	2	9	1	9
● tonic hair cream tube	9	2	4	7	1	9
● Mep 4 (650 IRL) tablets 400 mgm .. 50 7 3ea ..						
.. 100	14	0ea	..	..	..	..
.. 250	34	0ea	..	..	..	..
.. 500	64	0ea	..	..	..	..
● Mimosept (347 Dahmas) sanitary towels .. 12 23 0 ..					2	6
belts ..	25	0	1	3	2	11
Mycil (179 BDH) spray pressurised pack	56	0	..	..	7	0
● Nair (1003 PP) cream ..	26	8	13	4	4	3
● Navidrex K (262 CIBA) tablets .. 25 32 0 ..					4	0
.. 100	112	0 ..	..	..	14	0
.. 500	44	0ea	..	..	66	0
Delete Neron (648 IH) Neron (1274 VDL)						
Delete Nicrazin (837 MSD) 2½ lb						
● Orapen V-K (650 IRL) tablets 250 mgm	50 39 0ea .. TS					
.. 100	69	0ea	..	..	..	..
.. 250	171	0ea	..	..	..	..
.. 500	338	0ea	..	..	..	..
.. 1000	583	0ea	..	..	..	..
Delete Parmacetyl (411 EGH) ● Parmacetyl (894 Nicholas) tablets .. 100 12 6ea 3 1½ea						
Delete Phedros (837 MSD) all sizes						
A Photocrescenta (977 PE) enlarger lamps ..75W 31 6 7 6 4 1½						
150W 39 9 9 0 5 2						
A Photolita (977 PE) photoflood lamps No. 1						
275W .. No. 2 27 0 ..					3	0
500W ..	67	6 ..	..	..	7	6
reflector type SM ..	112	6 ..	..	..	12	6
Potter & Moore (994 P&M) talcum powder puffer 191	27	0	13	6	4	6
Predsol (518 Glaxo) ● lotion aerosol 0.125% 30 mils .. 8 6ea ..					11	4 TS
● Predsol-N (518 Glaxo) lotion aerosol 0.125% 30 mils ..	9	0ea	..	..	12	0 TS
● Primolut i.v. (1107 SAGB) (distributors 973 Pharmethicals) ampoules 1 mil .. 1 5 2ea ..					7	9
Delete Prothricin (837 MSD) 1 oz						
Delete Rasprin (411 EGH) Rasprin (894 Nicholas)						
A Regal (1340 WUD) evaporated milk						
half cream 24 x 16 oz	27	6 ..	..	..	1	4
full cream 48 x 6 oz	27	6 ..	..	..	8	
24 x 16 oz	27	6 ..	..	..	1	4
Regula (980 Photopia) A camera L Prontor SVS R2	236	10ea	57	9ea	413	0
Delete LE .. R40						
● LK .. R40	455	0ea	110	11ea	793	5
● leather case .. R31	32	8ea	8	0ea	57	0
● Olympia I .. R53	344	0ea	83	11ea	599	11
● Olympia II .. R50	458	10ea	111	8ea	799	11
● leather case .. R51	34	2ea	8	3ea	59	6
● Regulette (980 Photopia) camera Vario shutter R52	120	4ea	29	6ea	210	0
Pronto shutter R44	148	10ea	36	3ea	259	6
Rendells (1045 R) vaginal suppositories ..	30	0	7	6	4	1½
Delete Ribothron (837 MSD) all sizes						
A Rinstead (1311 Warriek) pastilles	17	0	4	3	2	6
St. Leger (1304 TW) A blades slotted (6) .. 5 9 1 5½ 1 0						
(12) ..	10	6	2	7½	2	0
● Scholl's (Dr.) (1108 SMC) Vitality support nylons						
pair ..	24	0ea	..	..	36	0
Delete Sedamyn (837 MSD) .. 4 oz						

MEGGEZONES
FOR COUGHS, COLDS AND CATARRH

dex PASTILETS
THE MODERN COUGH TREATMENT

MEGGESON
DYSPEPSIA TABLETS

THE BRAND LEADERS IN THEIR FIELDS

MEGGESON & CO. LTD., LONDON S.E.16

Simpkin's (1141 Simpkin)						
● Koola fruits	4	6	..	..	6	
Delete Soluthricin (837 MSD) 20 mls						
Spratts (1175 SPL)						
A mixed ovals	10	2	..	..	1	1
	19	10	..	..	2	1
A ovals	10	2	..	..	1	1
Corr. Spungee (703 KD) sponge						
Delete heart shaped perfumed	47	0	11	4	6	11
Sustacol (972 Pharmax)						
R tablets	20	5	0ea	..	..	†s4A
Thermos (1226 Thermos)						
A vacuum jars	614	..	..	..	67	2
	608	..	..	..	97	2
	617	..	..	..	21	0
	620	..	..	..	48	0
	81	..	..	..	106	2
	82	..	..	..	138	0
	609	..	..	..	96	0
jugs	58	..	..	..	17	11
	58Q	..	..	..	23	6
	34	..	..	..	43	2
	34S	..	..	..	68	10
	TV	..	..	..	107	3
	54	..	..	..	45	0
	54Q	..	..	..	47	9
	45	..	..	..	50	6
	45Q	..	..	..	57	11
	29	..	..	..	87	0
	29Q	..	..	..	103	9
	70	..	..	..	103	5
	52	..	..	..	145	2
	52Q	..	..	..	171	5
	231	..	..	..	141	8
	231Q	..	..	..	168	0
R all plated	70	..	..	..	105	8
● Topdog (1175 SPL) .. 4 doz	35	3	..	..	11	
Delete Urografin (1107SAGB) single ampoules						
Valderma (343 DH)						
A shaving cream lather ..	19	2	4	9½	2	6
A brushless	19	2	4	9½	2	6
Veet (343 DH)						
● odourless hair-removing						
cream	24	6	12	3	3	9
● Velactin (1303 Wander)						
powder	47	3	..	..	5	3
Corr. Vick (1277 VI)						
ectamium cough syrup 2 oz	16	11	4	3	2	3
Corr. VapoMist nasal spray						
Delete Wanderlac (1303 Wander) 1 lb						
Wardonia (1304 TW)						
blades barrel-hole (5) ..	11	6	2	10½	1	8
slotted (5)	11	6	2	10½	1	8
pack No. 10	27	6	6	10½	4	6
containers for 30 used						
blades	15	6	3	10½		
containers for 60 used						
blades	18	6	4	7½		
razor sets						
"Pilot"	No. 1	12	6	3	1½	3
"Service"	No. 2	16	6	4	1½	4
"Rugby"	No. 3	37	6	9	4½	7
"Devon"	No. 4	67	6	16	10½	12
"Rugby de-luxe" ..	No. 5	67	6	16	10½	12
"Devon de-luxe" ..	No. 6	9	0ea	2	3ea	17
"Travellers de-luxe" No. 7	10	6ea	3	0ea	22	6
"Zip"	No. 8	12	6ea	3	0ea	25
dressing case	No. 9	18	6ea	5	0ea	35
	No. 10	18	6ea	5	0ea	35

A **Weet Meet** (1175 SPL)

No. 1	10	2	..	..	1	1
No. 2	10	2	..	..	1	1

AMENDMENTS TO KEY TO SUPPLIERS:

- (158 B&B)=BRADDOCK & BAGSHAW, LTD., 340 Manchester Street, Oldham, Lancs. Main 4905.
 (304 Costa)=G. COSTA & CO., LTD., Staffordshire Street, London, S.E. New Cross 3456.
 (565 Hanimex)=HANIMEX (U.K.), LTD., 42 Lower Marsh, London, S.E.1.
 (1274 VDL)="V" DEVELOPMENT LTD., 22 Clifton Road, London, W. Cunningham 0701.

C.&D. RETAIL AND DISPENSING PRICE LIST

Monthly List of Changes

The drug index for April was 207.6

Cost		Retail	
d.	per	16 oz.	4 oz.
s. d.	s. d.	s. d.	s. d.
39	500 ml. Acid. oleic	—	1 3
42	500 g. Acid. stearic., B.P.C. ..	—	1 4
27	500 ml. Alcohol isopropyl, B.P.C. ..	—	0 10½
96	500 g. Collod. acid. salicyl., B.P.C. ..	—	2 6
64	500 g. Collod. flex. meth. ..	—	1 8
93	500 ml. Elixir caffein. iod., B.P.C. ..	—	3 0
66	500 g. Emuls. ol. morrh. c. hypophos., B.P.C. '49	7 6	2 1
72	25 g. Ext. hamamelidis sicc., B.P.C. ..	—	—
335	100 ml. Ext. ipecac. liq. ..	—	—
165	100 ml. Ext. senega liq., B.P.C. ..	—	7 0
54	500 g. Hexamina, B.P.C. ..	—	1 9
24	500 ml. Liq. amaranth., B.P.C. ..	—	0 9½
36	500 ml. Liq. plumbi subacet. fort. P.I. (9)	—	1 2
64	100 ml. Liq. saccharini, B.P.C. '54 ..	—	2 9
36	2 kg. Magnes. sulphas ..	1 0	0 3½
22	500 g. Magnes. sulphas exsicc. ..	—	0 8½
120	½ gl. Ol. arachis ..	3 0	0 10½
57	25 g. Ol. limonis, B.P.C. ..	—	—
108	500 g. Ol. theobromatis ..	—	3 6
152	1 gl. Paraffinum liq. ..	1 11	0 6½
105	500 g. Pasta resorcin. et sulphur., B.P.C. ..	—	3 4
105	250 g. Pimentae pulv., B.P.C. '34 ..	—	—
252	500 g. Rheum pulv. ..	—	2 0
201	500 g. Sennae fruct. Alex. ..	—	6 6
243	25 g. Strychnin. pulv. B.P.C. S.I. (4)	per	gr.
225	25 g. Strychnin. hydrochlor. S.I. (4)	per	gr.
54	25 g. Theobromin. et sod. sal. B.P. '53	—	7 8
114	500 ml. Tinct. aconiti, B.P.C. '49, S.I. (5)	—	3 8
99	500 ml. Tinct. gelsemii, B.P.C., P.I. (9)	—	3 2
210	500 ml. Tinct. ipccacuanhae ..	—	6 9
170	250 ml. Tinct. opii ..	—	11 0
108	2 kg. Zinci oxidum ..	3 1	0 10½

PANADOL

N-acetyl-p-aminophenol 0.5G.

Available in packs of 12, 100, 500 and 2,500

BAYER PRODUCTS, Division of Winthrop Group, Ltd.
SURBITON-UPON-THAMES, SURREY.

Excellent analgesic and antipyretic which contains no aspirin, phenacetin or codeine. Outstandingly safe, effective and free from side effects, Panadol has been given to patients suffering from acute peptic ulcer without causing gastric irritation.

POTENT AND SAFE



SOME **Rexall** BONUSES

Rexall ORDERLIES

NOW! NEW APPEAL! NEW MINT FLAVOUR!
NEW PACK! NEW LAXATIVE FORMULA!

display outer of 6's (retail, 1/- each)—13 to the dozen
display outer of 16's (retail, 2/- each) 13 to the dozen
display outer of 6's with 1 of 16's—14 to every dozen*
and this is what you actually make:

PRICE TO YOU	PRICE TO CUSTOMER
display Outer (24) 6's...14/-	2 Dozen 6's @ 1/-.....24/-
display Outer (24) 16's 28/-	2 Dozen 16's @ 2/-.....48/-
purchase tax @ 25%.....10/6	plus purchase tax free bonus
<u>52/6</u>	4- 6's.....12/-
	4-16's..... <u>84/-</u>

52/6 FROM 84/- AND YOU'RE LEFT WITH
AND THAT'S YOUR PROFIT!

With 10% Parcel Discount your profit reads 35/8

Rexall MULCETS

ORANGE-FLAVOURED THROAT AND MOUTH
ULCER TABLETS

DOUBLE BONUS!

YOU GET 13 to the dozen on every order of two dozen or more!* YOU GET eight free with every order of 4 dozen!
* TRY THIS FOR SIZE!

PRICE TO YOU	PRICE TO CUSTOMER
2 dozen.....42/-	2 dozen.....72/-
plus purchase tax @ 25%.....10/6	2 free.....6/-
<u>52/6</u>	<u>78/-</u>

TAKE 52/6 FROM 78/- . ANSWER 25/6 PROFIT!
With 10% Parcel Discount, your profit on 6 doz. is £5.7.0d.

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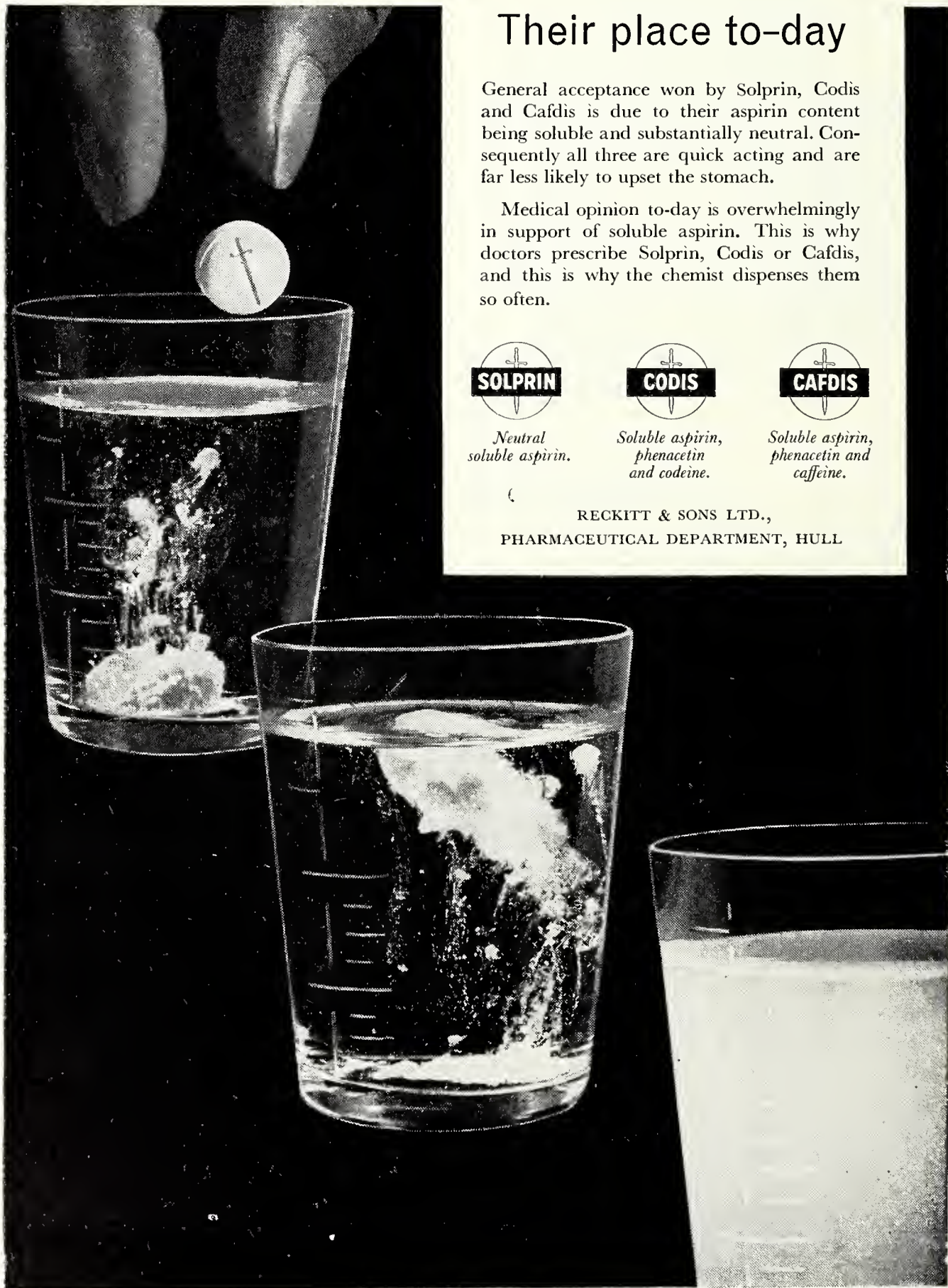


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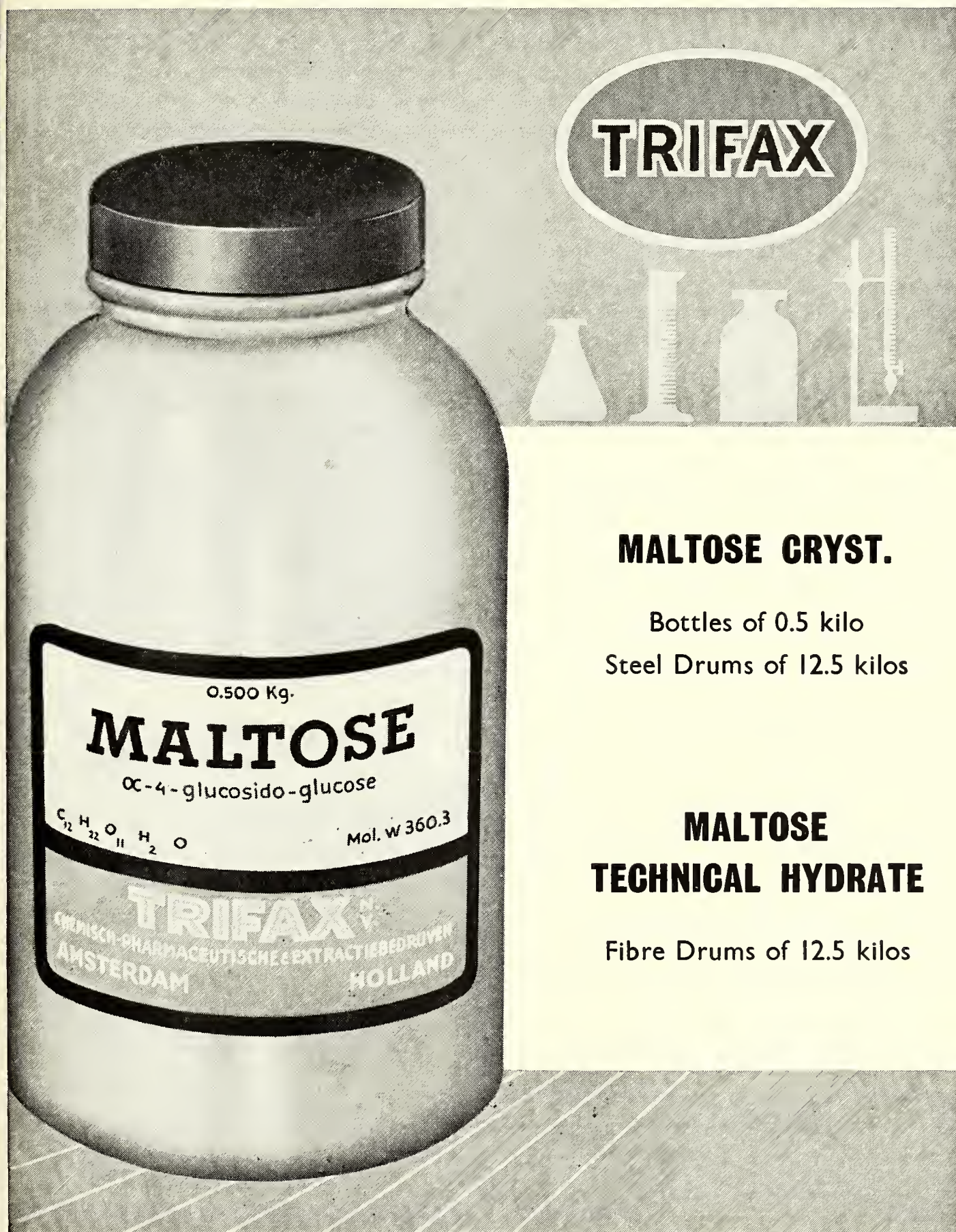
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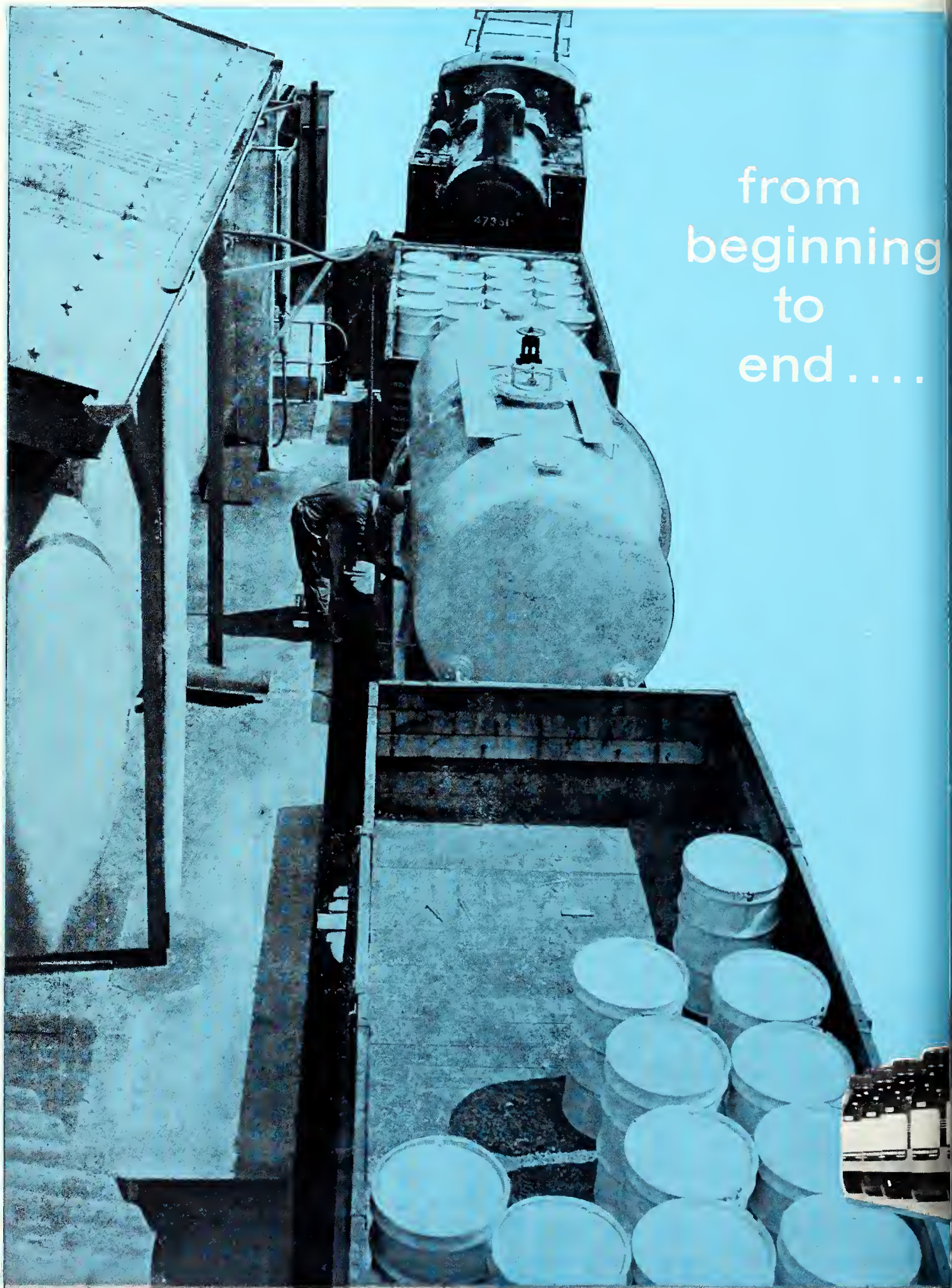
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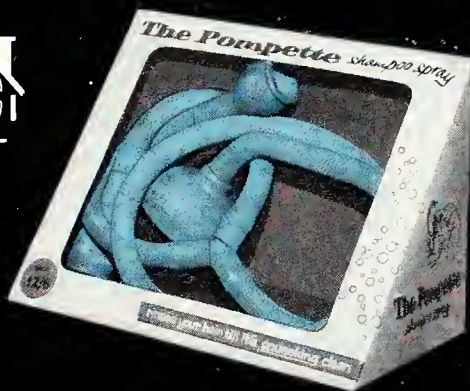
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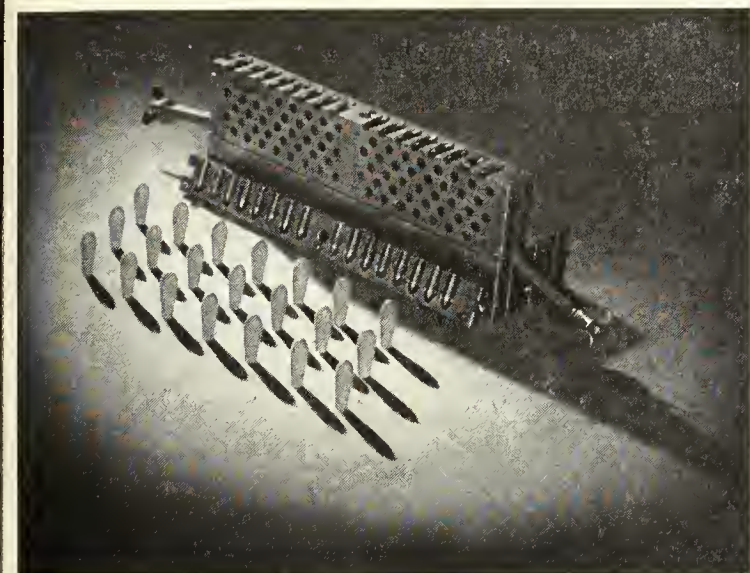
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BOOTLE HOSPITAL, LIVERPOOL, 20

Senior Pharmacist

required. Salary on scale £770 to £1,010, starting at point not higher than £815 per annum according to experience. Apply to Secretary, Bootle Hospital, Bootle, 20, Lancs, giving details of experience, qualifications, age and names of two referees. C 6605

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist

for Bethnal Green Hospital. Modern department approved for training students. Salary scale £770—£1,010 p.a. plus higher qualification allowance and London Weighting. Please apply to the Group Secretary, 213 Kingsland Road, London, E.2. C 553

BLACK NOTLEY HOSPITAL, BRAINTREE, ESSEX

Assistant-in-Dispensing

required. Permanent and pensionable appointment. Salary and conditions according to Whitley Council Scales. Previous Hospital experience. Certificate of the Society of Apothecaries, R.A.M.C., R.A.F., or equivalent qualifications taken into account for commencing salary. Interesting post, covering wide sphere of activity. Good residential accommodation available if required. Applications giving age, present and previous experience with names and addresses of two referees to Hospital Secretary from whom further details may be obtained. C 6588

CENTRAL GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

Holiday relief vacancies :—

12th—24th June, 1961

Salary 18 guineas p.w. Applications with full details to Chief Pharmacist, Metropolitan Hospital, London, E.8. C 561

CITY GENERAL HOSPITAL, SHEFFIELD, 5

(Category V Hospital)

Locum Pharmacist

required. Salary £18 18s. per week. Accommodation may be made available for a female applicant for which an appropriate charge will be made. Details and names of two referees to the Hospital Secretary. C 6614

CITY GENERAL HOSPITAL, SHEFFIELD, 5

(Category V Hospital)

Post-graduate Pharmaceutical Student

required. A wide variety of experience in Hospital Pharmacy is obtainable at this busy General Hospital. Apply, giving details of age, training, etc., together with names of two persons for reference, to the Hospital Secretary. C 6615

CONNAUGHT HOSPITAL, WALTHAMSTOW, E.17

Assistant-in-Dispensing

required for Group Pharmacy at the above hospital, with occasional relief duties at other Hospitals. Hospital experience or Hall Certificate an advantage. Whitley Council terms and conditions. Forms of application may be obtained from Secretary, Forest Group H.M.C., Langthorne Road, E.11. C 6616

HEATHERWOOD HOSPITAL, ASCOT

Pharmacist

required for modern well-equipped department. Apply with full details, and two referees, to Secretary. C 6580

HAMMERSMITH HOSPITAL & POST-GRADUATE MEDICAL SCHOOL,

DU CANE ROAD, LONDON, W.12

Pharmacist

required at above General Post-graduate Teaching Hospital (Category V). Post offers varied work and excellent experience. Pleasant working conditions. Previous experience not essential. Whitley salary scale £690—£920 per annum plus London Allowance. Commencing salary within this scale according to experience. Applications stating age, qualifications and experience, and names of two referees to Chief Pharmacist by 17th June. C 6592

HAMMERSMITH HOSPITAL & POST-GRADUATE MEDICAL SCHOOL,

DU CANE ROAD, LONDON, W.12

Locum Pharmacist

required at above General Teaching Hospital for several weeks June and July, commencing as soon as possible. Salary 18 guineas per week. Apply, giving particulars of experience to Chief Pharmacist. C 6597

HERTFORD COUNTY HOSPITAL, HERTFORD

(21 miles from London)

Locum Chief Pharmacist

required for holiday relief in August. Salary £23 12s. per week. Hospital easily accessible from London. Possibility of residence if necessary. Apply, as soon as possible, giving details of availability, age, qualifications and experience, to Hospital Secretary. C 6609

LEWISHAM HOSPITAL, HIGH STREET, S.E.13

Locum Pharmacist

required at once. Salary £18 18s. a week. Apply to Chief Pharmacist. C 6613

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Locum Pharmacist

required at the above hospital immediately. Salary £18 18s. per week. Applications in writing to be sent to the Chief Pharmacist. C 6584

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Appointments—Continued**MOORFIELDS EYE HOSPITAL**

Assistant-in-Dispensing

required for duty at High Holborn Branch. Salary in accordance with Whitley Council scale (£260 p.a. at age 18 rising to £605 p.a. inclusive of London Weighting plus £50 p.a. qualification allowance). Applications to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 6606

NEW CRAWLEY HOSPITAL

(Stage I Development)

Assistant-in-Dispensing

required full-time. Society of Apothecaries' Certificate an advantage. The post offers the opportunity of working in an entirely new hospital which will be opening shortly. Salary scale at age 16, £195, at age 18, £250, at age 22 and over £425 rising to £575 maximum. Detailed applications stating age, qualifications and experience and naming two referees to the Hospital Secretary, Crawley Hospital, West Green Drive, Crawley, Sussex, as soon as possible. C 6620

**NORTH WIRRAL HOSPITAL
MANAGEMENT COMMITTEE,
VICTORIA CENTRAL HOSPITAL
MEDICAL UNIT,
MILL LANE,
WALLASEY, CHESHIRE**

Pharmacist

Applications are invited for the above appointment. Salary £690 x £30 (3)—£780 x £35 (4)—£920 per annum. Conditions of Service in accordance with Circular PH 26 of the Whitley Council. Applications with names and addresses of two referees to Hospital Secretary. C 6570

**PINDERFIELDS GENERAL
HOSPITAL,
WAKEFIELD**

Assistant-in-Dispensing

Applications invited from suitably qualified persons for the above post for a large, well-staffed Group Pharmaceutical Department. Whitley Council salary scale and conditions. Address written applications, giving full personal particulars and two names and addresses for reference, to W. Bowring, Group Secretary, Pinderfields General Hospital, Wakefield. C 562

**PINEWOOD HOSPITAL,
NINE MILE RIDE,
WOKINGHAM, BERKS
(Category II)**

Locum Pharmacist-in-Charge

for three weeks from August 28. Salary £22 1s. per week. Residential accommodation may be available. Applications to Secretary. C 6600

**PONTYPOOL & DISTRICT
HOSPITAL**

Senior Pharmacist

required. Salary £770—£1,010. Assistance will be given in obtaining accommodation in the locality if required. Write giving experience and two referees to Group Secretary, 64 Cardiff Road, Newport. C 6591

**SHOTLEY BRIDGE GENERAL
HOSPITAL,
SHOTLEY BRIDGE,
CONSETT, CO. DURHAM**

Post-graduate Student

Applications are invited for appointment of a Post-graduate Student in Pharmacy at the above Hospital (Category IV). Salary £460 per annum. Accommodation can be provided in the Hospital, for which an appropriate deduction will be made. Applications, giving full details of training and the names of two referees to the Secretary at the above address. C 6607

**ST. GILES' HOSPITAL,
CAMBERWELL, S.E.5**

Assistant-in-Dispensing

required for busy General Hospital. Excellent all-round experience. Salary according to age and experience. Apply Chief Pharmacist, St. Giles' Hospital, Camberwell, S.E.5. C 6596

**THE LONDON HOSPITAL,
WHITECHAPEL, E.1**

Locum Pharmacist

required immediately for several weeks. Salary £18 18s. per week. Applications to House Governor. C 6602

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He has today no obligations to other parties, and if you entrust him to represent you, he can therefore dedicate himself fully to develop your interests in Denmark (and perhaps other Scandinavian countries).

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A-S ERVACO-ERIK AAGESEN,
Frederiksberggade 28,
Copenhagen K., Denmark.

C 3699

**SOUTHEND-ON-SEA HOSPITAL
MANAGEMENT COMMITTEE**

Post-graduate Student

required in the Pharmacies of the Hospitals in the Southend-on-Sea Group. Salary £460 per annum. The hospitals are situated in pleasant surroundings and the post offers excellent opportunities for experience in all branches of pharmaceutical work including dispensing for in-patients and for patients from a busy Consultative Out-patients' Department, manufacturing, sterilising, dressings and instruments. Students who contemplate sitting the final examination this year will be considered for appointment in September. Applications stating age, particulars of education, etc., with the names of two referees, should be sent to the Secretary, General Hospital, Southend-on-Sea, as soon as possible. C 6563

**ST. LAWRENCE'S HOSPITAL,
CATERHAM, SURREY
(Category II)**

Locum-tenens Pharmacist-in-Charge

required for two weeks from August 28, 1961, to September 9, 1961. Salary £22 1s. per week. Modern department. Single accommodation available. Applications giving full details to Group Secretary. C 6601

EDUCATIONAL

**BRISTOL COLLEGE OF SCIENCE
AND TECHNOLOGY,**

Ashley Down, Bristol, 7

Owing to an internal promotion, the Governors invite applications for the following post in the

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The successful candidate will be expected to commence duties on, or as soon as possible after, September 1, 1961.

Details and forms of application from the Registrar. Please quote ref. CSF 61/23. C 3708

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QUALIFIED LADY DISPENSER required for group practice of four doctors to assist present dispenser with dispensing and general practice management. Details from Dr. T. E. Ormerod, 52 Linden Avenue, Kettering, Northants. Tel.: Kettering 2104. C 3653

RETAIL (HOME)

BANSTEAD, SURREY. Lady assistant required for senior position for counter, display and general duties. No dispensing. Must be able to control staff and buy stock. All main cosmetic agencies. Good wages and yearly bonus to right person. Holiday arrangements honoured. Overall supplied. Modern shop. Apply stating when available for interview with usual details to Mr. Woollatt, 30 High Street, Banstead (Phone: Burgh Heath 720 daytime, Burgh Heath 2024 evenings or Sundays. C 3614

CHELSEA. Experienced lady counter assistant required for pharmacy. Hours 9 a.m. to 6 p.m. Saturday half-day. Very good wages to suitable applicant. Grabowski, Chemists, 187 Draycott Avenue, London, S.W.3. C 3695

CHEMIST COUNTER ASSISTANT (lady) required. Holidays honoured. Excellent salary. Apply J. M. Pirie, 4 Grand Parade, London, N.4. C 3703

LONDON, S.W. Wanted, assistant for counter, etc. Good salary and holidays. Congenial post in good locality. Box C 3674.

NORTHUMBERLAND COAST TOWN, pharmacist, lady or gent, required to manage pleasant coastal shop. Apply F. O. Bretherton, Solicitors, 47 John Street, Sunderland. C 3692

Situations Vacant—Continued

NORTHWICH, Cheshire. Pharmacist required as branch manager for pharmacy on outskirts of town. Salary £900 p.a. rising to £1,100 p.a. Three weeks holiday. Unfurnished flat if required. Part-time arrangement considered. Apply J. & W. Jones, 22 Greenbank Lane, Northwich. C 3707

NOTTINGHAM. Part-time lady Pharmacist required, mainly for dispensing duties, now or in the near future. Some mornings suggested but other times could probably be arranged to suit applicant. F. H. Shawcroft, Chemist, 37 Beech Avenue, Sherwood Rise, Nottingham. Telephone 64483. C 3705

PHARMACIST

Owing to the death of the previous holder, who had been with the company for 25 years, a young Pharmacist, preferably female, is required to take charge of the Druggist and Cosmetic Departments for busy Departmental Store. The prescription trade is only moderate but there is a busy counter trade. Remuneration £800 to £1,000 per annum according to qualifications and experience. Pension and Life Assurance Scheme. Full particulars in first letter: General Manager, Burgis & Colbourne, Ltd., Leamington Spa. C 3702

PHARMACIST, lady or gentleman, to manage shop in Forest Gate, London, E.7; commencing latter part of June. One experienced assistant. Mr. Carter, Chemist, 145 Wood Street, Walthamstow, London, E.17. (Phone: Coppermill 3008.) C 3700

SUPERINTENDENT MANAGER required for good-class pharmacy, borders of Surrey and S.W.20. Close to Morden tube. Excellent opportunities; very good assistant employed. Hours 9 a.m. to 6 p.m., 1 p.m. on Wednesday, rota duty to 7 p.m. one week in five. Interview by appointment, Apply Martins, 18 Crown Lane, Morden. C 3704

UXBRIDGE. Urgently required, senior assistant with all-round experience of good-class pharmacy, mainly counter duties and relief dispensing. Holiday granted. Apply in the fullest particulars to: R. A. Sharp Chemists Limited, 172 High Street, Uxbridge. C 3630

LOCUMS SEEKING ENGAGEMENTS

LOCUM Pharmacist required for periods June 12-July 8 and August 19-September 16, 1961. Apply D. Desmond & Co., Ltd., 17 Freemasons Road, London, E.16, or 'phone ALbert Dock 2254. C 3679

WHOLESALE**DUNCAN, FLOCKHART & COMPANY, LTD.,**

of Edinburgh, seek a gentleman to represent them in the territory comprising Essex, the East Central and East Postal districts of London. Applications are invited from candidates with a Pharmaceutical or Medical background and preferably with experience in the promotion and selling of Ethical Pharmaceuticals. The salary will depend very much on age, qualifications and experience. A car will be provided and all legitimate business expenses met. There is a contributory pension scheme. Existing holiday arrangements for 1961 will be honoured. Please write for a form of application to:—

The Managing Director,
Duncan, Flockhart & Company, Ltd.,
Wheatfield Road, Edinburgh, 11.

C 6612

OLDHAM CO-OPERATIVE CHEMISTS LTD., invite applications for the position of pharmacy branch manager, either sex. Modern accommodation available if necessary. Superannuation. Salary and other emoluments at least £1,030. Applications giving age, experience, etc., to Oldham Co-operative Chemists, Ltd., King Street, Oldham. C 3680

COPY WRITER

(Pharmaceutical)

An interesting new appointment is being created for a suitably qualified man (30/40) in the Marketing Department of a progressive, ethical Pharmaceutical Company.

The position calls for a Copy Writer with a good pharmaceutical background, capable of writing good English and possessing a flair for preparing ethical sales literature of a high standard.

The post will be permanent and pensionable with a starting salary which may be £1,500 or more depending on previous experience.

Applications, quoting reference No. F.6109 which will be treated in the strictest confidence, should contain concise details of age, education, qualifications and experience, and be addressed to:

WRIGHT ATKINSON LIMITED,
Appointments Consultants,
70 Queen Victoria Street,
London, E.C.4.

C 6611

MANUFACTURING CHEMISTS situated in N.W. England seek the services of a chemist or pharmacist with experience of pharmaceutical analysis. Some knowledge of tablet making or of formulation of new products would be an added recommendation. Applications giving details of previous experience and qualifications should be addressed to Box C 3686.

PHARMACEUTICAL MARKETING**EXECUTIVE**

WILLIAM R. WARNER & CO., LTD., have a vacancy for a pharmacist in their Ethical Marketing Department. This is a position of great interest and variety, with ample scope for using both technical and commercial abilities. The man appointed will have excellent opportunities for advancement in an expanding organisation. He will gain experience in all aspects of marketing ethical pharmaceutical products. Starting salary will be in keeping with age, experience and qualifications and a non-contributory pension scheme is in operation.

Applicants are asked to write in confidence, giving all essential details to the Personnel Manager, William R. Warner & Co., Ltd., Eastleigh, Hampshire. C 6599

SALES EXECUTIVE

An opportunity occurs in a well-established British wholesale and manufacturing chemists situated in the North West for a pharmacist or someone with a pharmaceutical background as Assistant Sales Manager. Graduateship of ISMA or a full knowledge of modern marketing methods is essential as the position offered requires ability in both sales office routine and field work. Good salary, pension scheme and excellent prospects for the right person with the keenness and enthusiasm to succeed in this interesting appointment. HSD, Box C 6618.

PHARMACIST required urgently by Market Research agency situated in Central London. Good salary, five-day week. Write, giving full details, to Box C 6610.

PILL COATER required, or learner, also to assist in the manufacture of medicinal preparations and light duties. Hours 8.30 a.m.—5 p.m. No Saturdays. Apply to: George Eade, Ltd., 232 Goswell Road, London, E.C.1. C 6587

AGENTS WANTED

AGENTS REQUIRED in important areas calling on chemists, stores, co-ops, etc. Write in first instance with all details to: André Philippe, Ltd., 71-71B Gowan Avenue, Fulham, S.W.6 (Ren. 2194-2397). C 6542

DEVON AND CORNWALL. Old-established pharmaceutical company requires agent already calling on retail chemists to introduce proprietary pharmaceutical products. Generous commission. Write with full details. Box C 6560.

SITUATIONS WANTED**WHOLESALE**

YOUNG GENTLEMAN, graduate in pharmacy, seeks position in industry or manufacturing chemist. Box C 3706.

AGENCIES WANTED

ADVERTISER, with wide and well-established connection in N.W. England and N. Wales. Goodwill built up over many years among all good-class chemists, stores and perfumery outlets; seeks one or two sound, good-class agencies. Box C 3696.

ISLE OF MAN manufacturers' agent, English resident. Requires suitable selling appointments. Short engagements, enquiries, accounts, etc., promptly handled. H. R. Smith, "Fernleigh," Ramsey Road, Laxey. Tel.: Laxey 414. C 3701

PHARMACIST, registered 20 years, experience retail and trade in Australasia, desires communication from principals considering representation there. Offers capable, reliable and active agency. Mr. J. Baker, 169 Castlereagh Street, Sydney, N.S.W., Australia. C 3697

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C 438

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C 6552

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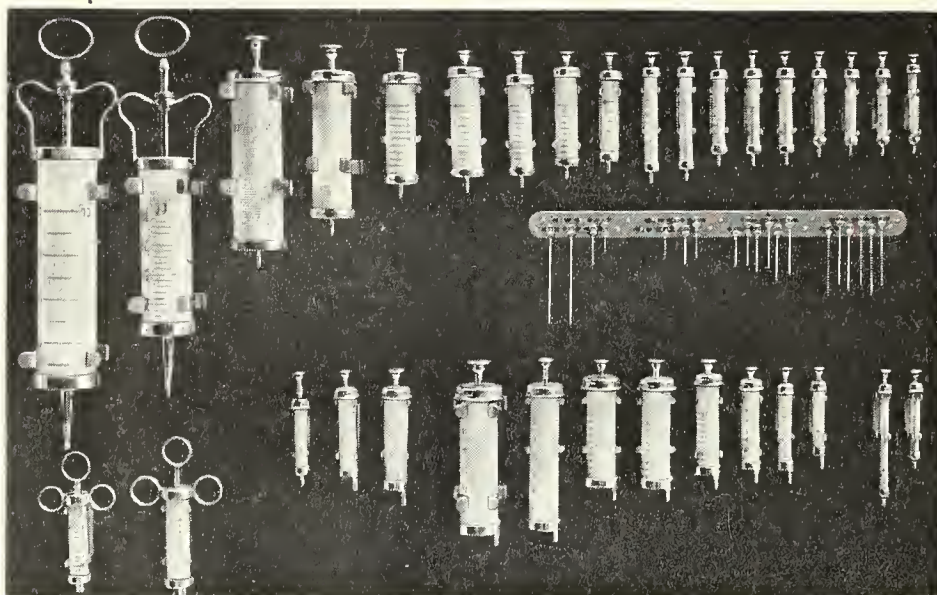


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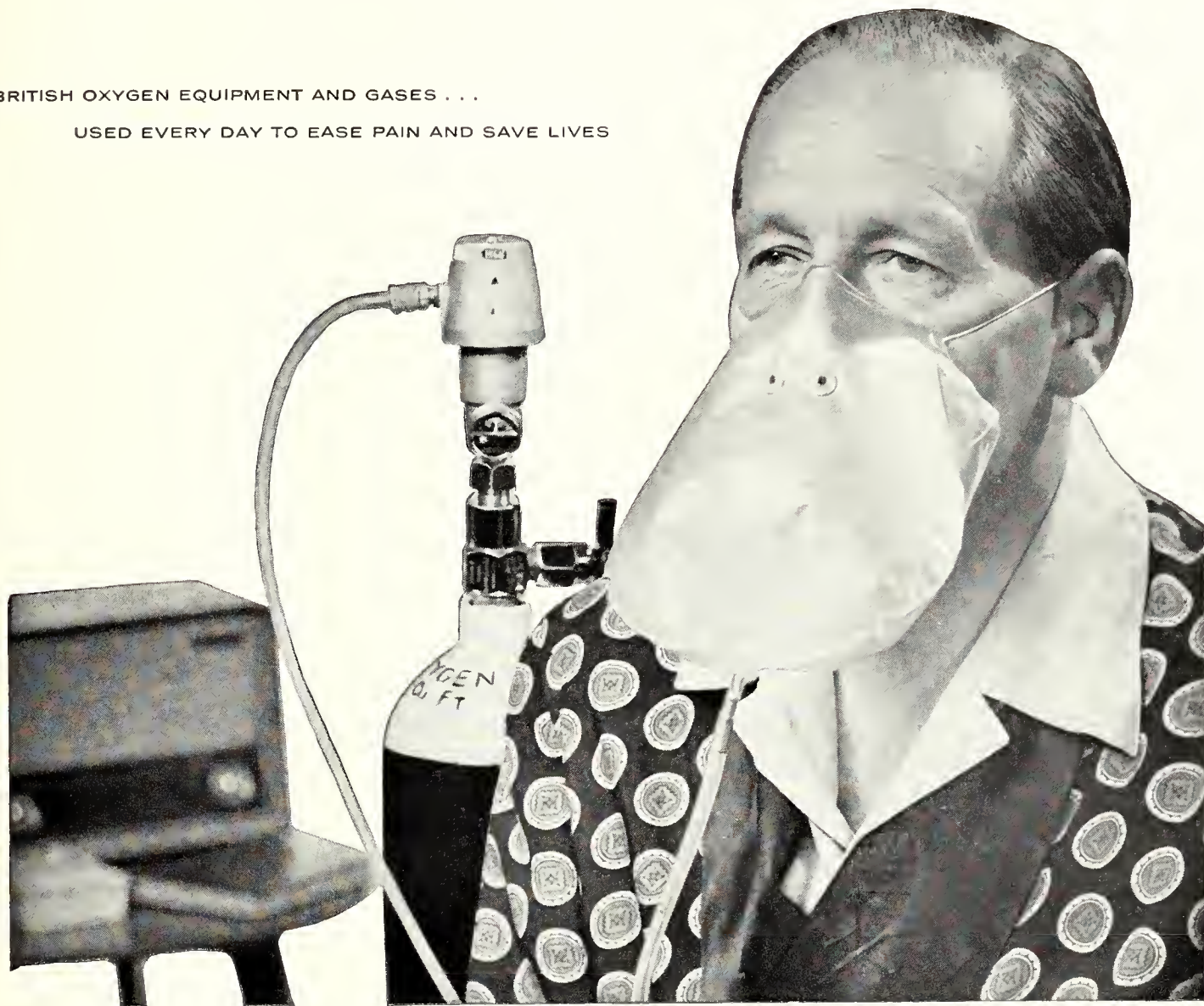
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